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1904-05

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Parsons College Catalogue

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UNIVERSITY OF ILLINOIS

1904-1905

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ANNUAL CATALOGUE

OF

PARSONS COLLEGE

FOR THE

COLLEGE YEAR 1904-1905

WITH

ANNOUNCEMENTS FOR 1905-1906

FAIRFIELD, IOWA
PUBLISHED BY THE COLLEGE
1905

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CALENDAR-1905

JANUARY.

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MARCH.

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Parsons College

College Calendar.

1904.

September 13,	Tuesday	First Semester Begins.
September 13,	Tuesday	Registration and Entrance Examinations.
November 24,	Thursday	Thanksgiving Recess.
November 27,	Sunday	
December 22,	Thursday	Oratorical Association's Annual Contest.
December 24,	Saturday	Holiday vacation begins.

1905.

January 10,	Tuesday	Holiday Vacation Ends.
January 20,	Friday	Foster Prize Debate.
January 26,	Thursday	Day of Prayer for Colleges.
February 3,	Friday	First semester ends.
February 7,	Tuesday	Second Semester Begins.
February 22,	Wednesday	Washington's Birthday.
May 28,	Sunday	Baccalaureate Sermon.
May 28,	Sunday	Address before the Christian Associations.
May 29,	Monday	Concert by School of Music.
May 30,	Tuesday	Meeting of Board of Trustees.
May 30,	Tuesday	Graduating Exercises and Annual Prize Contest of the Academy.
May 30,	Tuesday	Exercises of Literary Societies.
May 31,	Wednesday	Class Day.
May 31,	Wednesday	Junior and Freshman Prize Contests.
June 1,	Thursday	Alumni Meeting.
June 1,	Thursday	Commencement Day.

September	18,	Monday.....Examinations.
September	19,	Tuesday.....First Semester Begins.
September	19,	Tuesday.....Registration.
September	20,	Wednesday.....Opening Address.
November	30,	Thursday.....Thanksgiving Day.
December	21,	Thursday.....Oratorical Association's Annual Contest.
December	23,	Saturday.. .....Holiday vacation begins.

1906.

January	9,	Tuesday.....Holiday Vacation Ends.
January	19,	Friday.....Foster Prize Debate.
January	25,	Thursday.....Day of Prayer for Colleges.
February	2,	Friday.....First semester ends.
February	6,	Tuesday.....Second Semester Begins.
February	22,	Thursday.....Washington's Birthday.
June	3,	Sunday.....Baccalaureate Sermon.
June	3,	Sunday.....Address before the Christian Associations.
June	4,	Monday.....Concert by School of Music.
June	5,	Tuesday.....Meeting of Board of Trustees.
June	5,	Tuesday.....Graduating Exercises and Annual Prize Contest of the Academy.
June	5,	Tuesday..... .Exercises of Literary Societies.
June	6,	Wednesday.....Class Day.
June	6,	Wednesday.....Junior and Freshman Prize Contests.
June	7,	Thursday.....Alumni Meeting.
June	7,	Thursday.....Commencement Day.

Board of Trustees.

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RETIRE	REV. E. B. NEWCOMB, D. D.,	Keokuk, Iowa
1905	W. B. SEELEY, Esq.,	Mt. Pleasant, Iowa
	JOHN C. THORNE,	Fairfield, Iowa
	ROLLIN J. WILSON, Esq.,	Fairfield, Iowa
	THEODORE W. BARHYDT,	Burlington, Iowa
	*HON. A. W. BUCHANAN,	Ottumwa, Iowa
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	REV. WILLIS E. PARSONS, D. D.,	Fairfield, Iowa
	W. G. ROSS, Esq.,	Fairfield, Iowa
	GEORGE W. CABLE,	Davenport, Iowa
	HON. W. S. DUNGAN,	Chariton, Iowa
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	PAUL S. JUNKIN,	Creston, Iowa
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	WILLIAM C. HOWELL, Esq.,	Keokuk, Iowa
	A. SCOTT JORDAN,	Fairfield, Iowa
RETIRE	J. S. MCKEMEY, Esq.,	Fairfield, Iowa
1908	GEN. LEWIS B. PARSONS,	Flora, Illinois
	J. E. ROTH,	Fairfield, Iowa
	WILLIAM E. THOMPSON,	Fairfield, Iowa
	D. C. BRADLEY,	Centerville, Iowa
	CHARLES CARTER,	Corydon, Iowa
	REV. WILLIS G. CRAIG, D. D., LL. D.,	Chicago, Illinois
RETIRE	WINFIELD SMOUSE,	Washington, Iowa
1909	REV. F. F. STOLTZ, D. D.,	Ottumwa, Iowa
	HON. LAFAYETTE YOUNG,	Des Moines, Iowa

*Deceased.

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Thomas D. Foster, Vice-President.
Rollin J. Wilson, Esq., Secretary.
William E. Thompson, Treasurer.

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W. G. Ross, Esq., Secretary.

Rollin J. Wilson, Esq., W. E. Blake, Esq.,
Rev. F. F. Stoltz, D. D., J. S. McKemey, Esq.,
William E. Thompson.

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J. C. Thorne.

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Paul S. Junkin, Creston, Iowa.
Hon. W. S. Dungan, Chariton, Iowa.

VISITORS OF THE SYNOD OF IOWA.

Rev. E. B. Linn, Des Moines, Iowa.
Rev. D. S. Honsaker, Afton, Iowa.
Rev. J. M. Robinson, D. D., LL. D., Dubuque, Iowa.

*Deceased.

Faculty.

REV. WILLIS EDWARDS PARSONS, D. D.,

President,

Armstrong Professor of Biblical Literature and Evidences.

A. B., Olivet College, 1881; D. D., ibid., 1902; Princeton Theological Seminary, 1881-4; Pastor, Presbyterian Church, Albion, Mich., 1884-93; Pastor, First Presbyterian Church, Danville, Ill., 1893-1904; President of Parsons College 1904-.

WILLIAM ALFRED WIRTZ, A. M.,

Professor of Modern Languages.

A. B., Cornell College, 1889; A. M., ibid., 1892; Principal of Schools, Lisbon, Iowa, 1887-9; Graduate Student, University of Chicago, 1897-1901 (summer quarters); Graduate Student, University of Berlin, 1902; Instructor, Associate Professor, and Professor of Modern Languages, Parsons College, 1889-.

GEORGE DANIEL GABLE, PH. D.,

Hunt Professor of Mathematics, and Secretary of the Faculty.

A. B., Lafayette College, 1886; A. M., ibid., 1889; Ph. D., ibid., 1891; Teacher of Greek, French, and Mathematics, Delaware Academy, Delhi, N. Y., 1886-7; Instructor in Mathematics and Latin, Lafayette College, 1887-95; Member of Editorial Staff of Standard Dictionary, 1890-5; Member of American Mathematical Society (1892), and of American Association for the Advancement of Science (1891); Graduate Student, University of Chicago, 1900 and 1901 (summer quarters); Professor of Mathematics, Parsons College, 1895-.

JOB EDGAR JOHNSON, A. M ,

Levi Parsons Professor of the Latin Language and Literature.

A. B., Yale University, 1898; A. M., Harvard University, 1899; Graduate Student, Harvard University, 1898-9; Teacher, Brookline (Mass.) High School, 1899; Instructor, Associate Professor, and Professor of Latin, Parsons College, 1899-.

CORA D. SMILEY, M. S.,

Associate Professor of History and of the English Language and Literature, and Dean of Women.

B. S., Parsons College, 1894; M. S., ibid., 1900; Teacher of English, Washington (Iowa) Academy, 1894-1900; Instructor and Associate Professor of History and English, Parsons College, 1900-.

JAMES G. McMURTRY, Ph. D.,

Skinner Professor of the Greek Language and Literature, and Acting Professor of Philosophy.

A. B., Wabash College, 1893; A. M., ibid., 1895; Ph. D., ibid., 1898; Professor of Greek and Latin, Carthage College, 1893-4; Professor of Greek and Latin, Washington College, 1895-7; Professor of Greek and Mental and Moral Sciences, Henry Kendall College, 1898-1902; Associate Professor and Professor of the Greek Language and Literature, Parsons College, 1902-.

FRANK LEWIS RAINEY, S. B.,

Ringland Professor of Biology.

S. B., Purdue University, 1889; Teacher of Science in High School, Logansport, Ind., and Winona, Minn, 1890-5; Graduate Student, University of Chicago, 1895-7 and 1899-1900; Acting Professor of Biology, Miami University, 1897-8; Instructor in Histology, Rush Medical College, 1898-9; Instructor in Biology, Michigan Military Academy, 1900-3; Professor of Biology, Parsons College, 1903-.

R. MONROE McKENZIE, Ph. D.,

Professor of Chemistry and Physics.

B. S., New York University, 1890; M. S., ibid., 1892; Ph. D., Johns Hopkins University, 1896; Demonstrator in Chemical Laboratory and Scientific Fellow, New York University, 1891-2; Instructor in Chemistry, University of Cincinnati, 1897-8; Instructor and Assistant Professor of Chemistry, Stevens Institute of Technology, 1900-3; Formerly Member of German Chemical Society; Member of American Chemical Society; Professor of Chemistry and Physics, Parsons College, 1903-.

JOHN V. BEAN, M. D.,

Lecturer on Sanitary Science.

M. D., Bellevue Hospital Medical College, 1868; Acting Assistant Surgeon, U. S. Army, 1868-70; Member of American Medical Association (1880); Member of Iowa State Medical Society (1892); U. S. Examining Surgeon (1897); Lecturer on Sanitary Science, Parsons College, 1889-.

WILLIAM G. ROSS, A. M.,

Lecturer on the Constitution of the United States.

A. B., Parsons College, 1880; A. M., ibid., 1883; Lecturer, Parsons College, 1897-.

JAMES FREDERIC CLARKE, A. M., M. D.,

Lecturer on Mycology.

B. S., State University of Iowa, 1886; A. M., ibid., 1889; M. D., University of Pennsylvania, 1889; Graduate Student, University of Goettingen, 1895; Graduate Student, Johns Hopkins University, 1895; Major and Surgeon, 49th Iowa Volunteer Infantry, 1898-9; Member of American Medical Association (1894), American Public Health Association (1899), American Association for the Advancement of Science (1900); Fellow of Iowa Academy of Sciences (1897); Lecturer on Hygiene, State University of Iowa, 1900-4; Lecturer on Mycology, Parsons College, 1902-.

ELIZABETH H. WHITNEY, A. B.,

Librarian.

A. B., Parsons College, 1903; Librarian, Parsons College, 1904-.

EDWARD STAFFORD LUCE,*

Professor of Music, and Director of School of Music.

Graduate, Vermont Methodist College, 1886; Graduate New England Conservatory of Music, 1890; Graduate Student, ibid., 1891-2; Professor of Music, Central University of Iowa, 1892-3; Professor of Music, Baylor College, 1893-6; Professor of Music, Parsons College, 1897-1905.

ELIZABETH EASTWOOD LUCE,*

Instructor in Vocal Music.

Student, Oxford Seminary, 1887-8; Graduate, New England Conservatory of Music, 1890; Teacher of Music, Statesville (N. C.) Seminary, 1891-3; Instructor in Music, Parsons College, 1897-1905.

JAMES POLLOCK MOORHEAD,

Instructor in Piano, and Acting Director of the School of Music.

Graduate, New England Conservatory of Music, 1901; studied in Berlin, Germany, 1903-4; Instructor, Parsons College School of Music, 1904-.

FLORENCE LOUISE AVERY,

Instructor in Piano.

Graduate, New England Conservatory of Music, 1901; Graduate Student, ibid., 1901-2; Instructor in Piano, Belhaven College, Jackson, Miss., 1902-3; Instructor in Piano, Parsons College, 1903-.

FRED HUNT,

Instructor in Violin.

*Resigned January, 1905.

STANDING COMMITTEES OF THE FACULTY.

Entrance: Professors Wirtz, Johnson, McMurtry, and Rainey.

Scholarships: President Parsons and Professor Gable.

Schedule: Professors Wirtz and Gable.

Catalogue: Professors Gable and Rainey.

Athletics: Professors Johnson and McKenzie.

Public Exercises: Professors Gable and Rainey.

Student Publications: President Parsons and Miss Smiley.

Class Officers: Professors Johnson, Wirtz, and McMurtry.

Historical Statement.

The College owes its existence primarily to the liberality of Mr. Lewis B. Parsons, Sr., a native of Massachusetts, and for many years a prominent merchant of Buffalo, N. Y. Regretting that he had not himself enjoyed the advantages of a collegiate training, Mr. Parsons, after many other generous gifts to the cause of education, resolved to crown his beneficences by devoting his entire property to the endowing of an institution of learning in the state of Iowa.

The death of Mr. Parsons in 1856 left the execution of this purpose to his two sons, the executors of his estate, Gen. L. B. Parsons, Jr., of Flora, Ill., and Charles Parsons, Esq., of St. Louis, Mo. A considerable portion of the estate consisted of property which suffered a great temporary depreciation in value during the financial crash of 1857 and the subsequent years of the rebellion; so that it was deemed inadvisable to carry the wishes of the founder into immediate execution.

In 1874, after overtures from other Iowa cities had been rejected, the faithful trustees decided to accept the offer of the citizens of Fairfield to provide at a cost of $30,000, the site and the original college building. Classes were formed in September, 1875, and the institution thus established was dedicated to the cause of Christian education and placed under the care of the Presbyterian church. The first class was graduated in 1880. The alumni now number 311. The present buildings and campus are valued at $125,000 and the original endowment has been increased to over $150,000 by the generous gifts of Col. Charles Parsons, Thomas D. Foster, Cyrus H. McCormick, George W. Cable, J. F. Hunt, Dr. Thomas H. Skinner, Mrs. Margaret R. Armstrong, Calvin Ballard, Alexander Mason, and other liberal friends.

On the night of August 19, 1902, Ankeney Hall, the main college building, was totally destroyed by fire. The library and all the scientific apparatus and other equipment were involved in the general destruction. Arrangements were speedily made for the work of the College during the following year by the temporary conversion of

Ballard Hall to the work of the College. A complete line of scientific equipment was purchased, adequate for the work of the scientific department. The work of the College, therefore, went forward without interruption.

The plan for rebuilding, as adopted by the Board of Trustees, is to raise a minimum fund of $125,000 for new buildings and equipment. Seven new buildings are to be erected: a Science Hall, a Hall of Liberal Arts, an Academy Hall, a Chapel, a Library and Administration Building, a Gymnasium, and a Central Heating Plant.

Of the buildings contemplated in the plan for rebuilding, three have already been completed: Foster Science Hall, Fairfield Hall, and the Central Heating Plant.

Terms of Admission.

Candidates for admission to the Freshman class should be at least fifteen years of age. Students are admitted by examination at the College, or by certificates from accredited schools. Graduates of accredited high schools and academies must present certificates which show in detail the amount and the character of the work done in each subject. Appropriate blanks for these certificates will be furnished on application.

In estimating the amount of high school work required for admission to College, a *semester credit* means one study daily for a semester of eighteen weeks on the basis of four studies a day. A year of high school work therefore equals eight semester credits.

For unconditioned admission to College thirty semester credits of high school work are required, but the Academy offers every facility for making up entrance conditions. Candidates must comply with the uniform entrance requirements of the College Section of the Iowa State Teachers' Association.

The requirements for entrance are as follows:

CLASSICAL COURSE.

English (Group I).....6 credits	History and Civics
Latin (Group II).....8 credits	(Group VI)... .....2 credits
Greek (Group III).....4 credits	Science (Group VII)....2 credits
Mathematics (Group V)..6 credits	Electives (Group VIII)..2 credits

PHILOSOPHICAL COURSE.

English (Group I)..... .6 credits	History and Civics
Latin (Group II).....8 credits	(Group VI).....2 credits
German (Group IV).....4 credits	Science (Group VII).....2 credits
Mathematics (Group V)..6 credits	Electives (Group VIII)..2 credits

SCIENTIFIC COURSE.

English (Group I).....6 credits	History and Civics
Latin (Group II).....4 credits	(Group VI).....2 credits
German (Group IV).....4 credits	Science (Group VII)....2 credits
Mathematics (Group V)..6 credits	Electives (Group VIII)..6 credits

These requirements in detail, by subjects, are as follows:

Group I--English.

a. GRAMMAR. It is essential that the student have a thorough knowledge of correct grammatical forms.

b. COMPOSITION AND RHETORIC. The student should be familiar with the main principles of Rhetoric and skilled in their application to the writing of correct and accurate English. Special stress should be laid on spelling, idiom, punctuation, sentence structure, paragraphing, and the outlining of the essay.

c. LITERATURE. This course should include a brief historical survey of English and American Literature. Special emphasis should be placed on the careful study of entire masterpieces. In addition, a considerable amount of collateral reading should be assigned. Such work may be based upon the following outline:

1. For reading: Shakespeare's The Merchant of Venice and Julius Cæsar, The Sir Roger de Coverley Papers in The Spectator, Goldsmith's The Vicar of Wakefield, Coleridge's The Ancient Mariner, Scott's Ivanhoe, Carlyle's Essay on Burns, Tennyson's The Princess, Lowell's The Vision of Sir Launfal, George Eliot's Silas Marner.

2. For careful study: Shakespeare's Macbeth, Milton's Lycidas, Comus, L'Allegro, and Il Penseroso, Burke's Speech on Conciliation with America, Macaulay's Essays on Milton and Addison.

Group II--Latin.

Grammar, including Prosody; Cæsar (four books); Cicero (six orations); Vergil (six books). Equivalents will be accepted for any of the specific text requirements. An accurate and ready knowledge of forms and constructions and a good vocabulary are especially important. Abundant practice in sight reading should be given.

Group III--Greek.

White's First Greek Book, Goodwin's Greek Grammar, Xenophon's Anabasis (four books), Homer's Iliad (three books).

Group IV--German.

This course should include the following: 1. Grammar. 2. The reading of three or four hundred pages of miscellaneous prose. 3. The careful study of one classical drama; Schiller's "Wilhelm Tell" or "Die Jungfrau von Orleans" is recommended. 4. Exercises in Prose Composition and in the free reproduction in German of the text read.

At the end of his second year's work the student should be able to read German correctly and fluently, and translate easy passages from English to German. He should be thoroughly familiar with the essentials of German grammar and should be able to read at sight moderately difficult German prose.

Group V--Mathematics.

1. Algebra: Wentworth's Higher, through Quadratics, or its equivalent. 2. Geometry: Plane and Solid (including Spherical), Wentworth's or its equivalent.

Group VI--History and Civics.

The following courses are suggested: 1. General History; or 2. History of Greece and History of Rome; or 3. History of England, History of the United States, and Economics.

Group VII--Science.

Two credits in Physics are required for entrance. Carhart and Chute's High School Physics and Chute's Laboratory Manual are recommended, but equivalents will be accepted.

Group VIII--Electives.

The electives presented for admission may consist of additional work in Physics, Chemistry, Zoology, Physiology, Geology, Astronomy, Botany, Physical Geography, Political Economy, History, English Literature, French, Latin, or Greek.

ADMISSION OF SPECIAL STUDENTS.

Persons who are not candidates for degrees, and who wish to take special studies, may be admitted as special students upon giving to the Faculty satisfactory evidence that they are prepared to take the desired studies advantageously. Such students are subject to the same regulations as the regular students, and they may become candidates for a degree upon fulfilling the College requirements, including those of admission. Special students are entitled to a certificate of the studies pursued, but not to a diploma.

ADMISSION TO ADVANCED STANDING.

Students from other colleges of recognized rank, who present letters of honorable dismissal, may be admitted, on college comity, to corresponding standing in this College—provided the application be made not later than the beginning of the Senior year.

FAIRFIELD HALL

Departments of Instruction.

[*Courses for 1904-1905 with Announcements for 1905-1906.*]

BIBLE.

1. Old Testament.

The history of the Jewish people is viewed as exhibiting the progressive unfolding of the divine redemptive purpose.

Text-book: Blaikie's Manual of Bible History.

Two hours weekly, first semester, Sophomore year.

2. New Testament.

A study of the period between the Old and New Testament Canons; the ripening expectation of Messiah in the Jewish nation and the world-wide readiness for Christ's advent; the life of Christ and growth of apostolic Christianity.

Text-books: Blaikie's Manual of Bible History, Stalker's Life of Christ, Stalker's Life of Paul.

Two hours weekly, second semester, Sophomore year.

3. The Bible as Literature.

A study of the literary structure of the Bible—the purpose being to realize somewhat the literary form as an aid to interpretation and the supreme literary beauty of Scripture as compared with that of any classic of any age.

Text-books: Moulton's The Literary Study of the Bible; The Revised Version.

One hour weekly, first semester, Junior year.

4. Comparative Religions.

The time is devoted to the study of Burell's Religions of the World —a work which brings to the student the transcendent beauty of the true religion through the study of the false faiths.

6. Christian Evidences.

In the work of the Senior year the purpose is to lead the student into a knowledge of the evidential resources of the Christian religion. The place and reasonableness of miracles, the peculiarities of Christ's miracles, what Christianity is and does in comparison with other systems, the refutation of skeptical objections, the authenticity and genuineness of the gospels, are investigated.

Text-book: Fisher's Christian Evidences.

One hour weekly, first semester, Senior year.

7. Theism.

The investigation covers the general idea of religion, the arguments for the being of God—all leading to the presentation of Christian Theism as the final stage of philosophy and religion.

Text-book: Flint's Theism.

One hour weekly, second semester, Senior year.

PHILOSOPHY.

8. Logic, Deductive and Inductive.

Text-book: Hyslop's Elements of Logic. Reference is made to such works as Jevons's Principles of Science, Fowler's Inductive Logic, and Sigwart's Logic.

Four hours weekly, first semester, Junior year.

10. Psychology.

The study of Psychology is confined as much as possible to empirical grounds during the earlier part of the course.

Text-books: James's Psychology (briefer course) and Witmer's Analytic Psychology. Reference to the psychologies of Baldwin, Ladd, Hœffding, and Wundt.

Four hours weekly, second semester, Junior year.

11. Ethics.

By means of a brief historical summary, the sphere of ethical inquiry is defined and the main ethical problems set forth. The efforts of empirical and evolutionary moralists to explain moral obligation are critically studied, and the *a priori* nature of the "ought" vindi-

cated. In the light of a careful investigation as to the springs of action and the nature of volition, the various views relating to the freedom of the will are considered.

Text-book: MacKenzie's Ethics. References to Mill, Spencer, Kant, Calderwood, and Green.

Three hours weekly, first semester, Senior year.

12. Advanced Ethics.

This course is designed for the more extended study of ethical theories and problems. Mill's Utilitarianism or Spencer's Data of Ethics will be used as a basis of study and discussed in the light of the criticisms of such writers as Sidgwick, T. H. Green, and Martineau.

Two hours weekly, second semester, Senior year.

13. History of Philosophy.

A course in the history of Ancient and Modern Philosophy is offered each year. The course in Ancient Philosophy will include a survey of the various problems of Philosophy as they presented themselves to the Greek mind, and the attempted solutions, contained in the historical systems or fragments of systems of Greece from the speculations of Thales to the rise and reign of Neo-Platonism.

The course in Modern Philosophy will begin with Descartes and Bacon, and trace the most important developments of philosophical thought to the present time.

Text-book: Rogers's Students' History of Philosophy. Lectures, with references to Jowett, Zeller, Weber, and Windelband.

Two hours weekly, first semester, Junior year.

14. Metaphysics.

This course must be preceded by Course 10, and can be prosecuted to much better advantage if also preceded by Course 13. The problems raised are subsumed under the heads of Rational Psychology, Epistemology, and Ontology, and are studied in the historico-critical spirit. Special attention is given to theories of perception because of their vital relation to the various systems and to the problems of material and spiritual existence. Owing to the wideness of the field, this course will be altered from year to year. The supreme value of a sound philosophy in strengthening the foundations of Christian faith is constantly kept in view. Lectures and assigned readings.

Two hours weekly, second semester.

PEDAGOGY.

17. Psychology for Teachers.

This course is devoted to the general study of such topics as the following: the application of psychology to education; the natural development of child life on its intellectual, emotional, and active sides; the helps and hindrances to mental progress; interest; attention; habit; imitation; the springs of action; the moral and religious sense.

Text-books: Sully's Teacher's Hand-book of Psychology, Lange's Apperception, and Radestock's Habit in Education.

Two hours weekly, throughout the year.

18. History and Theory of Education.

This course covers the rise and progress of educational movements from the Roman era to the present day. Representative reformers like Comenius, the Jesuits, Port Royalists, Rousseau, and Pestalozzi receive special attention. The theories of the several movements are criticised in the light of the present day theories. A number of select works on education are placed at the disposal of the student.

Text-book: Williams's History of Modern Education.

Two hours weekly, first semester.

19. School Organization and Management.

In this course the following topics are discussed: school organization, courses of study, duties of teachers to the school and community, the relation of the school to the community, etc. The school laws, courses of study, etc., of some representative city of the United States are used as a basis for this course.

Two hours weekly, second semester.

20. Methods of Teaching.

The time is given to the general study of the underlying principles of correct method in teaching. Lectures and discussions.

Text-book: DeGarmo's Essentials of Method.

One hour weekly, throughout the year

POLITICAL AND SOCIAL SCIENCE.

21. Economics.

The required course in Economics is primarily designed to familiarize the student with the general character of the principles, forces, and problems under investigation. The views on important questions of a few leading writers will be stated and discussed. Papers, discussions, and library references.

Text-book: Bullock's Introduction to the Study of Economics.

Three hours weekly, second semester.

22. Advanced Economics.

This course must be preceded by Course 21, and is designed to widen the student's acquaintance with the various writers and schools of Political Economy. Special attention is given to the English and American development of the subject from the time of Adam Smith. More minute study will be made of some particular problems, such as Taxation, Money, and Banking.

Text-books: Walker's Political Economy (advanced course), Walker's and Jevons's texts on money.

Three hours weekly, second semester.

23. Sociology.

An elementary course in which significant social phenomena and the problems involved are recognized and appreciated. Lectures, discussions, and readings. Must be preceded by Course 10.

Text-book: Small and Vincent's Introduction to the Study of Society.

Three hours weekly, first semester.

24. Jurisprudence.

An elementary course in the general principles of Jurisprudence. Must be preceded by Course 10.

Text-book: Pollock's Jurisprudence.

Three hours weekly, second semester.

HISTORY.

The following courses are offered for 1905-1906:

31. English History (1509-1900).

The Renascence and the Reformation. The Puritan Revolution. The Political Revolution. The Rise of Cabinet Government. The Fall of the Whigs and Rise of New Toryism. The Conflict with Democracy. The Growth of Democracy.

Text-book: Gardiner's Student's History of England.

Four hours weekly, first semester.

34. Modern European History (1792-1900).

In this course a study is made of Europe after the Congress of Vienna, of the balance of power, of the development of representative government, of the unification of Germany and of Italy, and of the rise of democracy.

Text-book: Fyffe's History of Modern Europe.

Four hours weekly, second semester.

The following courses are offered for 1904-1905:

37. American History (1492-1789).

Discoveries and early settlements. The Revolution. The Confederation. The Constitution.

Text-books: Thwaites's The Colonies, Hart's Formation of the Union.

Two hours weekly, first semester.

38. American History (1789-1900).

The Organization of Government. Slavery System. Mexican War. Territories open to Slavery. Secession. Civil War. Reconstruction. New Union.

Text-book: Wilson's Division and Reunion.

Two hours weekly, second semester.

40. American Government.

Text-book: Hart's Actual Government.

Two hours weekly, first semester.

41. Greek History.

Special attention will be given to the Peloponnesian War and the constitutions of Athens and Sparta. Recitations and informal lectures.

Text-book: Meyers's History of Greece.

Two hours weekly, second semester.

43. Constitutional History.

Lectures given by William G. Ross, M. A., on the Constitution of the United States.

GREEK.

47. Beginner's Course for Freshmen.

This course is open to students in this department who come prepared for Freshman work in other departments, but are without preparation in Greek. Students completing this course will be allowed to enter on the work of Freshman year and to supply remaining credits from more advanced work.

Five hours weekly, throughout the year.

48. Plato.

The Apology, Crito, and parts of the Phaedo will be read, noting chiefly the characteristics of Plato's literary style and the form of the dialogue, but not neglecting the Platonic philosophy.

Text-book: Dyer's Apology and Crito.

Four hours weekly, first semester.

49. Homer: The Iliad I-VI.

Study of Homeric forms, syntax, and prosody. Informal lectures on Homeric questions. Homeric archaeology. Comparative notice of other national epics. Mythology.

Text-book: Seymour's Iliad.

Four hours weekly, second semester.

50. Historians and Orators.

Selections from Herodotus, Thucydides, or the Hellenica of Xenophon. Review of Greek history during the fifth century.

Attic oratory and Athenian legal antiquities will be studied in Lysias (select orations) and Demosthenes (Olynthiacs and Philippics).

Four hours weekly, first semester.

51. Drama.

Representative plays, from the three tragedians and Aristophanes will be read with special reference to their literary art. A study of the origin and development of the Greek Drama and Theatre. History of Greek Literature.

Four hours weekly, second semester.

52. Homer: The Odyssey.

Selections are read rapidly with a view to literary appreciation and to a study of the heroic life of Homeric Greece.

Text-book: Merry's Odyssey.

Four hours weekly, first semester.

53. Aristophanes: Knights and Acharnians.

Study of Greek comedy.

Four hours weekly, second semester.

54. Theocritus: Idyls.
Demosthenes: On the Crown.

Attention is directed to form and subject matter with a view to obtaining a literary appreciation of what is read.

Four hours weekly, first semester.

57. Elegiac and Melic Poets; Odes of Pindar.

Selections from the principal odes will be read.

Four hours weekly, second semester.

58. The New Testament.

Plato: Gorgias.

A study of the chief peculiarities of New Testment Greek, with selections from the Gospels and Epistles. For purposes of grammatical and dialectic comparison, selections from Plato's Gorgias will be read during the second half of the semester.

Text-book: Westcott and Hort's The New Testament.

Four hours weekly, second semester.

59. Lectures on Greek Mythology, Literature, and History.

This course is open to all students who have the time and inclination to attend, and seeks to give some acquaintance with the greatest Greek authors in poetry, history, oratory, and philosophy, and some appreciation of the connection of Greek life and thought with the world's culture and history.

LATIN.

61. Livy.

Books I, XXI, and XXII are read. Constant practice in sight reading is given. Some attention is given to Livy's style and his place in Latin literature. Purely grammatical questions are made secondary to the acquisition of the power to *read* Latin rapidly and accurately.

Text-book: Greenough and Peck's Livy (combined edition).

Four hours weekly, first semester.

62. Cicero and Horace.

After a rapid reading of Cicero's De Senectute, the remainder of the semester is devoted to a careful study of the Satires and Epistles of Horace.

Text-books: Bennett's Cicero, Greenough's Horace.

Four hours weekly, second semester.

63. Horace: Odes and Epodes.

A careful reading and metrical analysis of the Odes and Epodes. Occasionally selected odes will be assigned for a careful translation into metrical English.

Text-book: Smith's Horace (revised edition).

Four hours weekly, first semester.

64. Tacitus and Plautus.

After a rapid reading of Tacitus' Agricola, the remainder of the semester is devoted to the reading of two plays of Plautus. The Menæchmi and Captivi are usually read. Some attention is given to the metres of Plautus and to his sources.

Text-books: Hopkins's Tacitus, Fowler's Plautus's Menæchmi.

Four hours weekly, second semester.

The following courses are offered for 1906-1907:

65. Roman Elegiac Poetry.

Selections from Tibullus, Propertius, and Ovid are read. The trend of literary development of the Augustan age will be particularly emphasized.

66. Pliny's Letters.

Pliny's Letters will be read for their content as light upon contemporary events in the political world.

Courses 65 and 66 will be alternated with Courses 63 and 64, beginning in 1905-06.

67. Latin Literature.

Selections from Latin prose and poetry illustrating the rise and growth of Latin literature. Open only to students who are willing to give considerable time to outside reading and to the investigation of assigned topics.

Two hours weekly, throughout the year.

GERMAN.

86. Beginner's Course.

a. Thomas's German Grammar, Part I.

Five hours weekly, first semester.

b. Grammar continued: Grimm's Mærchen; Storm's Immensee; Heyse's L'Arrabbiata.

Five hours weekly, second semester.

The object of this course is to give the student a thorough training in the essentials of German accidence and syntax, and to enable him to read easy German prose with expression. It should also give him a correct pronunciation and some skill in simple composition.

87. Second Year Course.

a. Baumbach's Frau Holde; Hillern's Hœher als die Kirche; Freytag's Die Journalisten; Wildenbruch's Der Letzte; Tales from Hauff; Grammar and Composition.

Four hours weekly, first semester.

b. Riehl's Fluch der Schœnheit; Arnold's Fritz auf Ferien; Schiller's Jungfrau von Orleans; Grammar and Composition.

Four hours weekly, second semester.

This course is intended to give the student a large and varied vocabulary, and to develop a feeling for the German idiom. One hour a week is given to work in grammar and composition.

88. Lessing.

Minna von Barnhelm; Nathan der Weise; Emilia Galotti. Some study is made of Lessing's life, his work as a critic, and his influence on the history of German literature.

Four hours weekly, first semester.

89. Schiller.

Kabale und Liebe; Wallenstein; Wilhelm Tell; Maria Stuart. The main facts of Schiller's life and his literary develcpment are studied in connection with this course.

Four hours weekly, second semester.

90. Goethe.

This course will include Dichtung und Wahrheit, Gœtz von Berlichingen, Werther's Leiden, Egmont, Tasso, Faust, Hermann und Dorothea, Iphigenie, Lyric Poems. A brief study is made of Goethe's life, and the close relation between his literary productions and his personal experiences is considered.

Four hours weekly, throughout the year.

92. Composition and Advanced Grammar.

Open to students who have had at least two years' work in German.

Two hours weekly, throughout the year.

93. Recent Developments in Dramatic Literature.

The representative works of the three leading dramatists of this period. Wildenbruch, Hauptmann, and Sudermann are read and studied in connection with the formative influences which have been at work.

Three hours weekly, throughout the year.

FRENCH.

101. Beginner's Course.

a. Edgren's French Grammar, Part I; Super's French Reader; Easy French Stories.

Four hours weekly, first semester.

b. Edgren's Grammar, Part II; Halevy's L'Abbe Constantin; George Sand's La Mare au Diable; Merimee's Colomba; Composition.

Four hours weekly, second semester.

In this course the essentials of French grammar are presented as briefly as possible, so that the student may begin the reading of

easy French prose almost from the first. A thorough study of the grammar, accompanied by exercises in composition, follows after reading has been begun. Special attention is given to daily drill in pronunciation and to the irregular verbs, but no direct attempt is made to teach French conversation.

102. French Fiction.

Selections are made from the works of Dumas, Merimee, Souvestre, De Vigny, and Daudet.

Three hours weekly, first semester.

103. Modern French Comedies.

Selections from plays by Sandeau, Erckmann-Chatrian, Ohnet, Scribe, Labiche, and Vacquerie.

Three hours weekly, second semester.

104. French Prose.

Selections from Balzac, Lamartine, Chateaubriand, Erckmann-Chatrian, Feuillet, and Sainte-Beuve.

Three hours weekly, first semester.

105. French Classics.

Selected works of Moliere, Racine, and Corneille.

Three hours weekly, second semester.

106. Victor Hugo and the Romantic School.

Three hours weekly, first semester.

ENGLISH.

116. Literature and Rhetoric.

Critical study of representative writers in prose and poetry from Chaucer to Browning. Specimens of the forms of discourse are studied carefully. In the regular composition work, special attention

is given to compilation and composing of notes. This work is required of all Freshmen.

Text-books: Baldwin's College Rhetoric, Lewis's Specimens of the Forms of Discourse.

Three hours weekly, throughout the year.

117. Literature and Rhetoric.

Nineteenth Century Literature.

This course takes up the study of the modern essay as found in the works of Macaulay, Carlyle, Emerson, and Arnold. In the regular work in composition, special attention is given to the construction of the essay and the oration.

Text-books: Baldwin's College Rhetoric, Herbert Spencer's Philosophy of Style.

Three hours weekly, throughout the year.

120. English Drama.

The history of the English Drama. The study of the laws of the Drama. Critical study of the following works of Shakespeare: Macbeth, King Lear, Hamlet. Rapid reading of Shakespeare's plays.

Two hours weekly, throughout the year.

125. Tennyson.

A careful study of representative poems. Copious reading from the poetry of Tennyson is required.

Two hours weekly, first semester.

126. Browning.

A careful study of representative poems. The reading of selections from the poetry of Browning is required.

Two hours weekly, second semester.

MATHEMATICS.

131. Higher Algebra.

Beginning with a rapid review of radicals and quadratic equations, the work embraces proportion, variation, the progressions, permutations and combinations, indeterminate coefficients, partial fractions, binomial theorem, series, method of differences, logarithms, imaginaries, and a brief course in determinants and the theory of equations.

Text-books: Wentworth's Higher Algebra and Wentworth and Hill's Exercises in Algebra.

Five hours weekly, first semester.

132. Plane and Spherical Trigonometry.

This course includes the analytical theory of the trigonometrical functions, the development of the general formulæ of plane and spherical trigonometry, the solution of plane and spherical triangles, the solution of problems in spherical mensuration, and practice in the use of logarithmic tables.

Text-books: Wentworth's Plane and Spherical Trigonometry (Second Revision); Wentworth and Hill's Logarithmic and Trigonometric Tables.

Five hours weekly, second semester.

133. Plane Analytic Geometry.

An elementary course, indicating the mode of applying the methods of algebra to geometry. The straight line, the circle, the conic sections, and several of the more important transcendental curves are studied —the course terminating with a discussion of the general equation of the second degree, and a few lessons introductory to the geometry of three dimensions. Because of time limitations, a portion of the work here outlined is carried on in connection with Course 134.

Text-book: Nichols's Analytic Geometry.

Four hours weekly, first semester.

134. Differential and Integral Calculus.

The fundamental principles and formulæ of this powerful branch of Mathematics are developed and applied to various problems in

geometry and analysis, such as the computation of the length, curvature, etc., of curves, the areas enclosed by them, areas of curved surfaces, volumes of solids, the evaluation of indeterminate forms, the expansion of functions in series, the determination of maxima and minima values, centres of gravity, etc. Open to students who have completed Courses 131, 132, and 133.

Text-book: Osborne's Differential and Integral Calculus.

Four hours weekly, second and first semesters.

135. Theory of Equations.

Attention is given to the elements of Determinants and the methods of Graphic Algebra. Recitations and informal lectures. Open to students who have completed Course 134.

Text-book: Barton's Theory of Equations. Reference-books: Burnside and Panton's Theory of Equations, and Phillips and Beebe's Graphic Algebra.

Three hours weekly, second semester.

136. Problems in Geometry and Trigonometry.

Supplementary to Courses 132 and 243. The work is designed for those students who expect to become teachers of Elementary Mathematics as well as for those who desire to lay a broader foundation for advanced work. Open to students who have completed Course 132.

Text-books: Wentworth and Hill's Exercise Manual No. III; Wentworth's Plane and Spherical Trigonometry.

Three hours weekly, second semester.

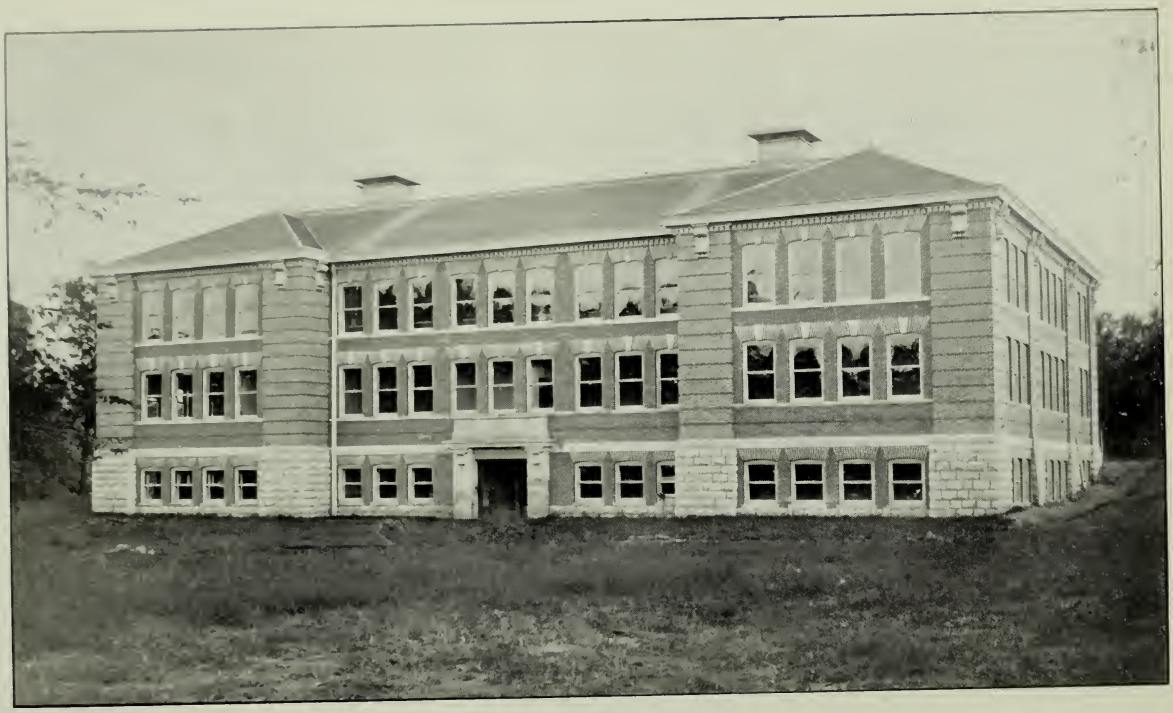
ASTRONOMY.

141. General Course.

This is mainly a course in Descriptive Astronomy. It aims to supply a general knowledge of the more important facts and underlying principles of astronomy, and some acquaintance with the methods of arriving at the facts. Recitations are supplemented by observations of the heavens and studies in the location of the principal stars and constellations. A knowledge of trigonometry and physics is essential.

Text-book: Young's General Astronomy.

Three hours weekly, throughout the year.



FOSTER SCIENCE HALL—NORTH FRONT

PHYSICS.

146. Mechanics, Sound, and Heat.

During the first semester the laws of pure motion, of matter in motion, and the properties of matter are studied. This is followed by a study of Sound and Heat. The subject is presented by lectures, with experiments illustrating the principles considered, by recitation on the lectures and text-book, and by work in the laboratory. Readings on selected topics will be assigned.

Text-books: Ames's Theory of Physics, Ames and Bliss's Manual of Experiments in Physics.

Four recitations and two laboratory periods weekly, first semester.

147. Magnetism and Electricity, and Light.

This course is a continuation of Course 146, special attention being given to the fundamental laws of Electricity and Magnetism, and Light, and their practical applications.

A working knowledge of algebra, geometry, and trigonometry is required for both Courses 146 and 147.

Text-book: Ames's Theory of Physics, Ames and Bliss's Manual of Experiments in Physics.

Four recitations and two laboratory periods weekly, second semester.

148. Practical Electricity and Magnetism.

This course presents an opportunity to study work with dynamos, motors, and storage batteries, as used for generating currents for arc and incandescent lighting, for power transmission, and in electrochemistry. This course comprises lectures and assigned readings on the theory, but consists principally of laboratory work.

The equipment includes a power plant, a 2 H. P. gasoline engine driving direct and alternating dynamos, storage batteries, standard voltameters and ammeters for both direct and alternating currents, arc and incandescent lamps of different voltages, equipment for measuring the illuminating power of lamps, transformers, galvanometers, etc.

This course is open only to students who have completed Courses 146 and 147.

Four hours weekly, throughout the year.

CHEMISTRY.

156. Elementary Inorganic Chemistry.

This course covers the general field of elementary Chemistry. The subject is presented by lectures with illustrative experiments and by recitations. The students are also required to perform most of the experiments independently, keeping notes on their work.

Text-book: Bradbury's Chemistry.

Four hours weekly, throughout the year.

157. Advanced Inorganic Chemistry and Qualitative Analysis.

This course is designed to give a thorough knowlege of Inorganic Chemistry. The subject is presented by lectures and recitations with laboratory work and assigned readings. Some quantitative experiments on the combining relations of the elements and compounds are made, followed by work in qualitative analysis. Open to students who have completed Course 156.

Text-books: Remsen's Inorganic Chemistry (College Course); Noyes's Qualitative Analysis.

Four hours weekly, throughout the year.

158. Organic Chemistry.

Two lectures or recitations and four hours in the laboratory each week. Students will perform experiments with the simpler organic preparations.

Text-book: Remsen's Organic Chemistry.

Four hours weekly, throughout the year.

159. Quantitative Analysis.

The laboratory work gives the student a practical acquaintance with exact quantitative methods. Readings will be assigned on related topics. The course is open to those who have completed Course 157.

Four hours weekly, throughout the year.

Each student must provide himself with the necessary set of chemical apparatus. This may be secured from the supply department at reduced rates, and, if in good condition at the end of the year, may be returned to the College and its value will be refunded. Any college apparatus broken will be charged in full.

BIOLOGY.

166. General Biology.

Introductory to both botany and zoology, and required as a preliminary to all advanced work in either department. Representative types of the different classes of animals and plants will be studied in the laboratory, beginning with the single-celled organisms, and ending with the complex forms. Laboratory work and lectures.

Reference-book: Parker's Elementary Biology.

Four hours weekly, throughout the year.

168. General Morphology of Plants.

This course continues the work begun in general biology, and gives a comprehensive idea of the forms of vegetable life. Eight hours of laboratory work each week. Assigned readings.

a. Thallophyta and Bryophyta.

Four hours weekly, first semester.

b. Pteridophyta and Spermatophyta.

Four hours weekly, second semester.

173. Vertebrate Anatomy.

This course includes the careful dissection of several typical vertebrates, including the fish, the pigeon, and the cat. Eight hours of laboratory work each week.

Four hours weekly, first semester.

174. Vertebrate Embryology.

The early development of the chick will be studied. One lecture and six hours of laboratory work each week.

Four hours weekly, second semester.

175. Bacteriology.

A general course in the study of bacteria. The preparation of culture media, the growth of typical forms, and their microscopic study. Lectures and laboratory work.

Four hours weekly.

176. Human Physiology.

a. Fundamental physiological actions, motion and locomotion, circulation, digestion, respiration.

Laboratory work and lectures.

Four hours weekly, first semester.

b. Excretion, nervous activity, general nutrition, and special sensations.

Laboratory work and lectures.

Four hours weekly, second semester.

Course 173, or its equivalent, is a prerequisite to this course.

177. Animal Histology.

The study of the methods of preparation of animal tissues for miscroscopical examination, and of the cellular and organic structures of vertebrate forms.

Four hours weekly, second semester.

179. Sanitary Science.

Lectures given by John V. Bean, M. D. Special reference is made to the relation of this department of science to every-day life, and particularly to the cause and prevention of infectious diseases. Required of all Seniors.

One hour weekly, second semester.

GEOLOGY.

181. Dynamic and Structural Geology.

The geological forces and the work they accomplish, and a study of the original and secondary structures of rocks.

Two hours weekly, first semester.

182. Physiographical and Historical Geology.

Physiographical geology with special reference to the North American continent, and a study of the evolution of land, and of life forms from the oldest geological records down to the present time.

Text-book: Le Conte's Elements of Geology.

Two hours weekly, second semester.

Courses of Study.

CLASSICAL COURSE.*

FRESHMAN YEAR.

FIRST SEMESTER.

	HOURS
Mathematics 131†—Algebra (Wentworth's Higher)	5
Latin 61—Livy (Greenough)	4
Greek 48—Plato (Dyer)	4
English 116—Literature and Rhetoric	3

SECOND SEMESTER.

Mathematics 132—Trigonometry, Plane and Spherical	5
Latin 62—Cicero and Horace	4
Greek 49—Iliad (Seymour)	4
English 116—Literature and Rhetoric	3

SOPHOMORE YEAR.

FIRST SEMESTER.

Mathematics 133—Analytic Geometry (Nichols)	4
or	
English 117—Literature and Rhetoric	3
Latin 63—Horace (Smith)	4
Greek 50—Historians and Orators	4
Physics 146—Mechanics, Sound, and Heat (Ames)	6
or	
Biology 166—General Biology	4
or	
Chemistry 156—Elementary Inorganic Chemistry	4
Bible 1—Old Testament History (Blaikie)	2

*In this course the student must take in addition to the required work at least nine hours of work in either Latin or Greek, or in History and English Literature.

†See courses under corresponding numbers on pages 17-36.

SECOND SEMESTER.

Mathematics 134—Differential and Integral Calculus (Osborne).... 4
or
English 117—Literature and Rhetoric 3
Latin 64—Tacitus and Plautus..... 4
Greek 51—Drama 4
Physics 147—Magnetism and Electricity, and Light..... 6
or
Biology 166—General Biology..... 4
or
Chemistry 156—Elementary Inorganic Chemistry..... 4
Bible 2—New Testament History (Blaikie)..... 2

JUNIOR YEAR.

FIRST SEMESTER.

Philosophy 8—Logic (Hyslop)..... 4
Bible 3—The Bible as Literature (Moulton)..... 1
*Electives**—(See Departments of Instruction, pp. 17-36) 11

SECOND SEMESTER.

Philosophy 10—Psychology (James; Witmer). 4
Bible 4—Comparative Religions (Burell)..... 1
*Electives**—(See Departments of Instruction, pp. 17-36) 11

SENIOR YEAR.

FIRST SEMESTER.

Philosophy 11—Ethics (MacKenzie). 3
Bible 6—Evidences..... 1
*Electives**—(See Departments of Instruction, pp. 17-36)..... 12

SECOND SEMESTER.

Political Science 21—Economics (Bullock)..... 3
Bible 7—Theism (Flint)..... 1
Sanitary Science 179—Lectures..... 1
*Electives**—(See Departments of Instruction, pp. 17-36)..... 12

*The privilege is reserved of withdrawing an elective unless it be chosen by five or more students.

PHILOSOPHICAL COURSE.*

FRESHMAN YEAR.

FIRST SEMESTER.

	HOURS
Mathematics 131—Algebra (Wentworth's Higher)	5
Latin 61—Livy (Greenough)	4
German 87*a*—Selections	4
English 116—Literature and Rhetoric	3

SECOND SEMESTER.

Mathematics 132—Trigonometry, Plane and Spherical	5
Latin 62—Cicero and Horace	4
German 87*b*—Selections	4
English 116—Literature and Rhetoric.	3

SOPHOMORE YEAR.

FIRST SEMESTER.

Latin 63—Horace (Smith)	4
German 88—Lessing	4
Physics 146—Mechanics, Sound, and Heat (Ames)	6
or	
Biology 166—General Biology	4
or	
Chemistry 156—Elementary Inorganic Chemistry	4
Mathematics 133—Analytic Geometry (Nichols)	4
or	
English 117—Literature and Rhetoric	3
Bible 1—Old Testament History (Blaikie)	2

SECOND SEMESTER.

Latin 64—Tacitus and Plautus	4
German 89—Schiller	4
Physics 147—Magnetism and Electricity, and Light	6
or	
Biology 166—General Biology	4
or	
Chemistry 156—Elementary Inorganic Chemistry	4

*In this course the student must take in addition to the required work at least nine hours of work in either Philosophy and Political and Social Science, or in History and English Literature.

Mathematics 134—Differential and Integral Calculus..... 4
or
English 117—Literature and Rhetoric..... 3
Bible 2—New Testament History (Blaikie)..... 2

JUNIOR AND SENIOR YEARS.

The outline of the work of these years is identical with that of the corresponding years of the Classical Course. (See page 38.)

SCIENTIFIC COURSE.*

FRESHMAN YEAR.

FIRST SEMESTER.

HOURS

Mathematics 131—Algebra (Wentworth's Higher)..... 5
Biology 166--General Biology..... 4
German 87*a*—Selections..... 4
English 116—Literature and Rhetoric..... 3

SECOND SEMESTER.

Mathematics 132—Trigonometry, Plane and Spherical..... 5
Biology 166—General Biology..... 4
German 87*b*—Selections..... 4
English 116—Literature and Rhetoric..... 3

SOPHOMORE YEAR.

FIRST SEMESTER.

French 101*a*—Grammar (Edgren); Reading..... 4
or
German 88—Lessing..... 4
Physics 146†—Mechanics, Sound, and Heat (Ames)..... 6
or
Biology 166†—General Biology..... 4 } two
or
Chemistry 156†—Elementary Inorganic Chemistry..... 4

*In this course the student must take in addition to the required work at least nine hours of work in either Biology and Geology or in Physics and Chemistry.

†Select any two of the three courses.

Mathematics 133—Analytic Geometry (Nichols)..... 4
or
English 117—Literature and Rhetoric..... 3
Bible 1—Old Testament History (Blaikie)..... 2

SECOND SEMESTER.

French 101*b*—Grammar (Edgren); Reading..... 4
or
German 89—Schiller..... 4
Physics 147†—Magnetism and Electricity, and Light..... 6
or
Biology 166†—General Biology..... 4
or
Chemistry 156†—Elementary Inorganic Chemistry..... 4
Mathematics 134—Differential and Integral Calculus..... 4
or
English 117—Literature and Rhetoric..... 3
Bible 2—New Testament History (Blaikie)..... 2

JUNIOR AND SENIOR YEARS.

The outline of the work of these years is identical with that of the corresponding years of the Classical Course. (See page 38.)

PRE-MEDICAL COURSES.

Students intending to study medicine after graduation from this College will be able to enter the Sophomore class of the best medical schools with a minimum of conditions by electing Physics 148; Chemistry 157, 158; Biology 173, 174, 175, 176, 177.

†Select any two of the three courses.

General Information.

Aim.

As seen in the historical statement on page 12, the aim of the College is to afford to students of both sexes the advantages of a liberal education in the Arts, Sciences, and Philosophy. Its courses of study and methods of instruction are adapted to secure accurate scholarship and thorough discipline. It aims not only to fit its students for professional study and practical life, but also to form the character by a broad Christian culture. This it seeks to attain by direct biblical instruction in the class-room, and by the Christian spirit which pervades all the work of the College.

Location.

The City of Fairfield is one of the most delightful in the state. It is situated at the crossing of the Chicago, Burlington & Quincy and the Chicago, Rock Island & Pacific railroads, and is easy of access from all points. The place is healthy, the society congenial, cultured, and Christian. Many families have removed to Fairfield to secure for their children the advantages of the College, a plan which it is hoped many others will follow.

Buildings.

BALLARD HALL (40x90 feet), the young ladies' dormitory, is designed in a modernized colonial style. It is a three story building constructed of vitrified brick with light trimmings, at an outlay of over $17,000. The interior is arranged on a novel plan. The dining-room is a semi-basement apartment not below the outside ground level. The parlor floor is elevated about four feet above the dining-room floor, and is connected by open screenwork and free columns with a mezzanine story containing a large hall, the Dean's office, the housekeeper's rooms, and four other rooms. One end of this hall terminates in a large art-glass window, opening upon a semi-circular balcony. The other end terminates in an interior bay window effect, with seat, partition, and screen. The parlor is a room 37 feet and 6 inches long by 29 feet wide, divided into six alcoves by four free columns and four partitions the height of wainscoating. Across the end of one of these alcoves there is a large brick fireplace and mantle-

piece. There are seats built into the alcoves and corners, and the whole is arranged so that the parlor and hall may be used as one large room for receptions and other festive occasions, and still be cozy and homelike for every-day use.

The second story is divided into ten apartments besides a large toilet and bath room. Each apartment furnishes study-room facilities for two students, and contains two alcoves. Each of these alcoves is supplied with a single bed and a wardrobe. The third story contains music rooms and other apartments. The rooms are lighted by both gas and electricity, and heated by steam.

FAIRFIELD HALL (40x86 feet), so named in recognition of the generosity of the citizens of Fairfield in contributing to the building fund, is constructed of pressed brick, trimmed with white brick and stone, and provides commodious quarters for the literary work of both the Collegiate and Academic departments. It contains well-lighted class rooms, chapel, reading room, academy assembly room, offices, cloak rooms fitted with over a hundred lockers, and rooms for the literary societies of the College.

The chapel, equipped with opera chairs, has seating capacity for an audience of three hundred.

The academy assembly room is seated with individual desks of the best type.

The furniture of the class rooms is all of the most approved kind, consisting of tablet chairs fitted with iron pedestals firmly fastened to the floor, excellent blackboards, and special maps as required by the different departments.

FOSTER HALL (69x112 feet), the home of the science department, so named in recognition of the generous gift of Mr. T. D. Foster of Ottumwa toward the building fund, is most complete in all its appointments.

THE DEPARTMENT OF CHEMISTRY occupies the greater part of the second floor. There is provided on the south side of the building a room for the department library, the private laboratory of the professor, and the lecture room. The lecture room seats seventy pupils, and is furnished with rows of opera chairs, each row raised above the one in front so that the lecture table may be seen by all students. The lecture table is provided with gas, pneumatic trough, running water, and a suction to carry away any gases which might escape during the experiments. Back of the lecture table is a hood and blackboard with charts for illustrating the lectures.

Adjoining the lecture room on the north are the supply room and the weighing room, where the balances for the students doing quantitative work are kept.

The three laboratories are situated on the north side of the building, and provide both ample room and the best equipment for work in chemistry. The laboratory for general experimental work and for qualitative analysis is in the middle of the building. It has desk room for thirty-six students; each desk is provided with a sink, running water, gas, etc. There are also a large number of hoods, where obnoxious gases are carried away from the laboratory. At each end of the general laboratory, separated from it by glass partitions, is a smaller laboratory, each having desks for twenty-four students. One of these laboratories will be used by the students in quantitative analysis, and the other by students engaged in making chemical preparations both in organic and inorganic chemistry. Each student is provided with a locker in the hall, and in every way the arrangements are as complete as possible.

THE BIOLOGICAL DEPARTMENT occupying the first floor has large and light laboratories. The principal one of these is that for the use of the class in general biology. This room is at the east end of the building and has accommodations for thirty pupils. It is splendidly lighted by ten large windows. Tables at which two pupils can work are so placed that the light for microscopes cannot be obscured. There are gas connections for each table, and a full set of preserving and staining reagents is provided for each pupil. The microscopes are Bausch and Lomb's B II., equipped with 2-3 and 1-6 objectives and Nos. 1 and 2 oculars.

The lecture room is in the southwest corner. It is seated with tablet-arm opera chairs. There is a demonstration desk with gas and water attachments for lecture purposes, and a complete projection apparatus has been installed. The department library adjoins the lecture room and is amply furnished with reading tables, chairs, etc.

At the south end is the laboratory for animal morphology in which provision is made for work in dissection, injection, and all work of like nature. The laboratories for histology, bacteriology, and physiology occupy the north side of the building, and there are also rooms for incubators and for photographic work.

The biological and geological specimens will be placed in museum cases that are built around the large entrance hall.

THE PHYSICAL DEPARTMENT occupies the greater part of the basement floor of Foster Hall. The west end of the floor is occupied by the electrical laboratory and the general physical laboratory, which accommodates twenty-five students. Adjoining the physical laboratory is the optical laboratory. This can be made perfectly dark and is provided with gas and electric lights as well as direct electric current for photometric measurements.

The engine room and metal workshop adjoin the electrical laboratory, supplying power to the latter. At the east end of the building are the carpenter shop and the physical lecture room, which seats seventy students. The lecture table is provided with gas, sink, water, and a direct electric current of from 2-35 volts and up to 20 amperes. The room is also provided with opaque shades, screen, and projection lantern. Opening from this is the physical apparatus room, which is fitted with glass cases for the apparatus.

The equipment is new and complete, including such pieces as (3) balances, cathetometer, dynamos for direct and alternating current, storage batteries, standard meters, transformers, spectroscope, etc.

CENTRAL HEATING PLANT. All the college buildings are heated from the central plant. It provides space for two boilers of one hundred and twenty-five horse power each. Besides the boiler room and coal bins, the plant contains two rooms for the use of janitors.

Fairfield Free Public Library.

This library offers excellent facilities, free of expense, to the students of Parsons College. It contains a valuable collection of 18,000 volumes, in all departments of literature. Its museum contains about 20,000 specimens, and is epecially rich in the departments of zoology and ethnology. Additions are continually being made both to the library and museum.

Through the munificence of Mr. Andrew Carnegie, a fire-proof building, complete in all its appointments and a model of architectural beauty, was erected in 1892, at an expense of $40,000.

Endowment.

The present productive endowment of the College, exclusive of the buildings, campus, etc., is approximately $156,000. Large contributions to this fund have been made by Colonel Charles Parsons of St. Louis, T. D. Foster of Ottumwa, C. H. McCormick of Chicago, George

W. Cable of Davenport, J. F. Hunt of Donnellson, Calvin Ballard of Winterset, Mrs. Margaret R. Armstrong of Fairfield, Dr. E. B. Ringland of Hamilton, Ill., and other generous friends.

Among the latter, worthy of special mention, is the late Rev. Thomas H. Skinner, D. D., LL. D., an eminent minister of the Presbyterian church and professor of theology in McCormick Theological Seminary. In addition to frequent gifts during his lifetime, his bequest to the College of $25,000 has recently been added to the endowment fund.

Besides those above mentioned, there have been gifts from members of our churches in all parts of the Synod and from other friends of the institution, together with legacy bonds and legacies by different individuals.

Scholarships.

A perpetual scholarship, which entitles the donor to designate the student who shall enjoy its benefits, may be endowed by the payment of five hundred dollars. Such scholarships may also be founded by partial payments or by bequests, in either of which cases the interest accruing is to be paid annually. The purpose of these scholarships is to aid needy and worthy students, especially those who have the gospel ministry in view, and an excellent opportunity is thus afforded to all who are inclined to promote the cause of Christian education. The following scholarships have been endowed in whole or in part:

1. The Joshua Heizer Scholarship, founded by Joshua Heiser, Mediapolis, Iowa.
2. The Jonathan Cable Scholarship (memorial), founded by Sarah E. Cable, Danville, Iowa.
3. The John A. Colwell Scholarship, founded by John A. Colwell, Kittanning, Pennsylvania.
4. The John A. Swan Scholarship, number one, founded by John A. Swan, Morning Sun, Iowa.
5. The John A. Swan Scholarship, number two, founded by John A. Swan, Morning Sun, Iowa.
6. The McClure Scholarship, founded by Mr. and Mrs. I. N. McClure, Mediapolis, Iowa.
7. The Ida B. and Ella May King Scholarship (memorial), founded by Mr. and Mrs. Z. N. King, St. Paul, Minn.
8. The James G. Wilson Scholarship, founded by James G. Wilson, Streator, Illinois.

9. The Mary Drewer Miller Scholarship, founded by Mary Drewer Miller, Carlsbad, New Mexico.

10. The Mrs. N. M. Clute Scholarship of $1,000, founded by Mrs. N. M. Clute, Charles City, Iowa.

11. The Spencer Grennell Scholarship (memorial), founded by Mrs. Eunice J. Grennell, Keokuk, Iowa.

12. The S. Breckenridge Scholarship, founded by Mr. S. Breckenridge, Pella, Iowa.

13. The Henry Corwith Scholarship (memorial), founded by Messrs. John and Frank Corwith, Chicago, Illinois.

14. The D. T. Newcomb Scholarship of $2,000, founded by the late Patience V. Newcomb, Davenport, Iowa.

15. The Viele Scholarship of $2,000, founded by the late Patience V. Newcomb, Davenport, Iowa.

16. The Westminister Scholarship, founded by the Westminister Presbyterian Church, Keokuk, Iowa.

17. The Anna R. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

18. The James D. Mason Scholarship, founded by the late Alexander Mason, Newton, Iowa.

19. The Lyle D. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

20. The Edwin M. Evans Scholarship, founded by the late Alexander Mason, Newton, Iowa.

Religious Exercises.

Daily religious services, at which all students are required to be present, are held in the College Chapel, under the direction of the Faculty.

Every student is required to select some church in the city, and to attend its services at least once on the Sabbath. Students are also expected to attend the Vesper services held in the College Chapel on Sabbath afternoons.

Religious Organizations.

There are two College Christian Associations, one for the young men, and the other for the young women. Under the direction of the Associations, a large part of the religious work among the students is carried on. They are well organized, and have a large membership from all classes. The meetings are a very important feature of college life.

The handbook issued annually by these societies is of especial advantage to new students, and will be sent on application to any who contemplate entering College. These handbooks will also be distributed by the Associations' Reception Committees, which meet all incoming trains at the opening of the year. All possible assistance will be rendered by these committees to the new students in finding boarding places, etc.

Y. M. C. A.

The Young Men's Christian Association of the College, in addition to its regular weekly prayer-meeting, conducts classes for the systematic study of the Bible. The student is guided by outlines published by the International Committee. The Association is annually represented at the Lake Geneva Conference by one or more delegates.

Y. W. C. A.

The young ladies of the College are annually organized into circles for systematic Bible study. The students are guided in their work by a suitable outline of study chosen from among those recommended at the Lake Geneva Conference. In addition to these meetings, a prayer-meeting is held every Wednesday evening. In connection with the Y. M. C. A., a monthly meeting is held for the study of missions and missionary subjects.

Literary Societies.

There are four literary societies in the College, conducted by the students under the general regulation of the Faculty. These are Aldine, Orio, Elzevir, and Empyrean. Every student is recommended to connect himself with one of these societies, and to improve the advantages thus afforded.

Opportunities are thus presented for improvement in writing and extemporaneous speaking, and in training in parliamentary practice. Annual prize contests in declamation, debate, oratory, and essay-writing are held in each of these societies. These contests furnish a stimulus to excellence in literary work.

Recitations and Examinations.

Students will be admitted at any time and assigned to the classes for which they may be prepared, but it is very important and desirable that they enter at the beginning of a semester.

FOSTER SCIENCE HALL—SOUTH FRONT

The studies are so arranged that each class has ordinarily three recitations daily. No college exercises are held on Monday. The closing days of each semester are devoted to examinations on the work of the semester.

Graduation.

All three courses require four years for their completion; and no student is allowed to graduate in less than four years of actual residence (except in cases of admission to advanced standing, as provided for in the Terms of Admission on page 16) without the special permission of the Faculty.

Every student, in order to be recommended for a degree, must have passed satisfactorily in at least one hundred and thirty semester-hours of work, including all the required work of the course in which the degree is sought.

First Degrees.

The degrees of Bachelor of Arts, Bachelor of Philosophy, and Bachelor of Science are conferred at graduation upon those who have successfully completed the corresponding courses, and who have complied with all the requirements of the College.

Second Degrees.

The College confers the degrees of Master of Arts and Master of Science upon graduates who have previously taken a baccalaureate degree in this College. Candidates who wish to be recommended for either of these advanced degrees must pursue an approved course of study equivalent to the work of one year of graduate study in the College, must present a satisfactory thesis, and pass successfully all required examinations. For more detailed information apply to the Secretary of the Faculty.

Prizes.

The following Prizes are awarded in the College:

1. The Kellogg Prizes, first and second, of thirty and twenty dollars, respectively, given by Mr. R. D. Kellogg, Kansas City, Missouri, to the two members of the Junior class who shall write and deliver in the best manner an English oration.

2. The Biological Prize of ten dollars, given to the member of the Junior or Senior class who shall excel in the study of Botany or Zoology, to be determined by class-room work and a thesis.

3. The Freshman Prizes, first and second, of fifteen and ten dollars, respectively, given to the two members of the Freshman class who shall excel in a contest in declamation.

4. The Foster Inter-Society Prize of twenty-five dollars, given by Mr. T. D. Foster, Ottumwa, Iowa, to the Society whose team shall win in public debate between the Aldine and Orio Societies.

5. The Horatio Millard Newcomb Prize of fifteen dollars, given by Rev. Ezra B. Newcomb, D. D., Keokuk, Iowa, to that member of the Senior class who shall attain the highest rank in the biblical studies of the Junior and Senior years, and who shall present the best essay on some assigned biblical subject.

6. The Brockman Prize of fifteen dollars, given by Dr. D. C. Brockman, Ottumwa, Iowa, to that member of the Senior class who shall attain the highest rank in advanced Political Economy, and who shall present the best thesis on some assigned topic in that subject.

7. The Aldine Alumni Endowment Fund Association's Prizes in Oratory, first and second, of fifteen and eight volumes of books, respectively, given by the Aldine Literary Society to the two of its Sophomore members who shall excel in an oratorical contest.

8. The Orio Prize in Oratory, a gold medal, given by the Orio Literary Society to that one of its Sophomore members who shall excel in an oratorical contest.

9. The Elzevir Prize in Oratory, a set of valuable books, given by the Elzevir Literary Society to that one of its Sophomore members who shall excel in an oratorical contest.

10. The Aldine Alumni Endowment Fund Association's Prizes in Debate, first and second, of fifteen and eight volumes of books, respectively, given by the Aldine Literary Society to the two of its Freshman members who shall excel in a contest in debate.

11. The Orio Prize in Debate, a gold medal, given by the Orio Literary Society to that one of its Freshman members who shall excel in a contest in debate.

12. The Elzevir Prize in Essay-writing, a set of valuable books, given by the Elzevir Literary Society to that one of its Freshman members who shall excel in a contest in essay-writing.

Expenses.

The annual charges for tuition are *thirty-two* dollars. Of this amount *sixteen* dollars are payable on the opening day of the first semester and *sixteen* dollars on the opening day of the second semester.

A reduction of twenty-five per cent. from the above rates of tuition will be made to the sons and daughters of ministers. Twenty-five per cent. will also be deducted from full rates of tuition for each additional student in simultaneous attendance from the same family. Needy students will likewise be allowed a reduction, if recommended by the Faculty's Committee on Scholarships.

An incidental fee of four and one-half dollars per semester is charged all students. Students taking laboratory courses in Science will be charged a fee to cover the cost of material used. In Physiology this fee will be two dollars, in Biology three dollars, in Chemistry five dollars, and in Physics three dollars per semester.

A deposit of one dollar per semester is required from each student, to constitute a damage fund, out of which the College property damaged by the students, when the author is unknown, is repaired. At the end of each year the balance is refunded. By this means the property is kept in good condition, and the amount deducted from each deposit has hitherto been very small.

Young ladies from a distance are expected to take up their residence in Ballard Hall. Accommodations can be obtained there, including board, room, light, and heat at from three and one-half to three dollars and seventy-five cents per week. The equipment and table board are first class in every respect. For information in regard to Ballard Hall, address the President of the College.

Board, for young men, including room, fuel, and light, is provided in pleasant homes at prices varying from three to three and a half dollars per week; board, in private families, at two and a half to three dollars per week. Furnished rooms, suitable for two students, can be rented in the town at prices ranging from seventy-five cents to one and a quarter dollars per week; unfurnished rooms at from twenty-five to fifty cents per week. The Faculty will render assistance, when desired, in finding suitable boarding places for students.

For several years past the students have conducted a boarding-club which aims to furnish board at actual cost. Accommodations are thus provided for from twenty-five to thirty students. The price of board in this club has hitherto averaged about two dollars per week.

Every young person of good moral character, who is bent on gaining a liberal education, and who is willing to make the necessary sacrifice, and to practice corresponding economy, will always find sympathy and encouragement in Parsons College.

The entire annual expenses of a student, traveling expenses not included, need not exceed $200; and students using economy can reduce the annual expenses to $150, as may be seen from the following summary:

	Minimum	Moderate
Tuition	$ 32.00	$ 32.00
Incidental fee	9.00	9.00
Room	9.00	to 22.50
Fuel	4.00	to 6.00
Board	60.00	to 96.00
Incidentals (including washing, books, etc.)	36.00	to 59.50
Total for the year	$150.00	$225.00

The Academy.

Aim.

The special purpose of the Academy is to furnish a thorough preparation to students who wish to take a full collegiate course. To this end the requirements for admission to colleges and universities have been made the basis of the Classical and Scientific courses. At the same time this arrangement gives a practical and thorough high school course to those who do not intend to enter college.

Admission.

Students entering the Academy must be prepared in the Arithmetic, Grammar, Political and Physical Geography, Physiology, and United States History usually taught in the grammar grade. Admission to advanced standing may be obtained upon passing satisfactory examinations in the preceding studies of the course, or upon the presentation of credentials showing that the work was thoroughly done elsewhere.

Graduation.

Upon completion of any one of the courses of instruction, a corresponding certificate of graduation is given. The holder of a Classical certificate is entitled to admission to the Classical course in the College, and the holder of a Scientific certificate to either the Philosophical or Scientific course.

Religious Exercises.

Daily chapel services, at which all the students are required to be present, are held. Attending divine worship at least once on the Sabbath is also obligatory upon all. Students are allowed to attend whatever church they may indicate at the opening of the year as their preference. There are two Christian Associations in the College of which most of the Academy students are members (see page 48).

Regulations.

Careful records are kept of the attendance and scholarship of students, and satisfactory excuses must be given for all absences.

If a student falls below grade, he is admonished, and, if after such admonition his work still continues unsatisfactory, he is dropped to a lower class.

No student is allowed to remain in the Academy who does not give evidence of diligent study, or who is unwilling to yield a cheerful obedience to the regulations of the school.

Literary Societies.

There are in the College four Literary Societies, which the Academy students are recommended to join. These Societies afford opportunity for the study of parliamentary law, and for training in composition and public speaking.

Prizes.

The following prizes are awarded in the Academy:

1. The Brown Prizes, first and second, of ten dollars and five dollars, respectively, given by George A. Brown, Ottumwa, Iowa, to the two members of the Academy who shall excel in a contest in declamation.

2. The Aldine Alumni Association's Prizes in Declamation, first and second, of fifteen and eight volumes of books, respectively, given by the Aldine Literary Society to those two of its Academy members who shall excel in a contest in declamation.

3. The Orio Prize in Declamation, a gold medal, given by the Orio Literary Society to that one of its Academy members who shall excel in a contest in declamation.

4. The Elzevir Prize in Declamation, a set of valuable books, given by the Elzevir Literary Society to that one of its Academy members who shall excel in a contest in declamation.

Expenses.

The annual charges for tuition are *twenty-six* dollars. Of this amount *thirteen* dollars are payable on the opening day of the first semester, and *thirteen* dollars on the opening day of the second semester. An incidental fee of four and one-half dollars per semester is charged all students. For details see page 51.

Departments of Instruction.

LATIN.

201 a. Grammar and Lessons.

The time is devoted to a thorough drill in the foundations of the Latin language. Careful attention is given to the acquisition of a large vocabulary, and to this end the relation between English and Latin is duly emphasized. Easy selections from Collar's Gradatim are introduced early, in order to lend interest to the work.

Text-books: Bennett's Latin Lessons; Bennett's Latin Grammar; Collar's New Gradatim.

Five hours weekly, first semester.

201 b. Easy Prose and Cæsar's Gallic War.

After a rapid review of Bennett's Lessons, the time will be divided between Collar's Gradatim and one book of Cæsar's Gallic War.

Text-book: Allen and Greenough's New Cæsar.

Five hours weekly, second semester.

202. Cæsar and Ovid.

Books II, III, IV, and VI of the Gallic War are read. Careful attention is given to review of forms and the mastery of syntactical constructions. Selections from the Metamorphoses of Ovid are read, both for their intrinsic value and as an introduction to Latin poetry.

Text-books: Allen and Greenough's New Cæsar; Gleason's A Term of Ovid.

Five hours weekly, first semester.

203. Cicero's Orations.

Six orations are read. Considerable attention is given to Roman political antiquities. Cicero's influence as an orator and public man is duly emphasized. Grammatical questions are made subordinate to the reading and interpretation of the orations.

Text-book: Allen and Greenough's Cicero.

Five hours weekly, second semester.

204. Vergil's Æneid.

Six books of the Æneid are read. Constant practice is given in scanning, through which an attempt is made to appreciate Vergil as poetry.

Text-book: Greenough and Kittridge's Vergil.

Four hours weekly, throughout the year.

GREEK.

211. First Greek Book.

The time is devoted to a thorough drill in pronunciation according to the written accents, to forms, simple constructions, and the acquirement of a vocabulary. Daily practice is given in the oral and written translation of Greek into English, and of English into Greek.

Text-book: White's First Greek Book.

Five hours weekly, first semester.

212. Anabasis.

Books I and II are read, accompanied by a review of inflections and a systematic study of syntax.

Text-books: Goodwin's Anabasis and Goodwin's Greek Grammar.

Five hours weekly, second semester.

213. Xenophon: The Anabasis III-IV.

Review of verb inflection; word formation; a general study of syntax with Greek composition. Xenophon's life, works, and characteristics as a writer. The expedition of Cyrus—its causes and its effects on Greek and Persian policy. The Greek art of war.

Text-books: Goodwin and White's Anabasis, and Allinson's Greek Composition.

Four hours weekly, first semester.

214. Xenophon: The Memorabilia I-II, or Hellenica.

The critical and grammatical study begun in the first semester will be continued throughout the year.

Four hours weekly, second semester.

ENGLISH.

221. American Masterpieces. Composition.

Throughout the course two hours a week will be devoted to the study of American Literature and two hours to the study of words and

elementary composition. The following masterpieces will be read: The House of Seven Gables, Evangeline, Snowbound, The Vision of Sir Launfal, The Last of the Mohicans, Tales of a Wayside Inn, The Man Without a Country, and selections from the Sketch Book.

Text-book: Scott and Denney's Elementary Composition.

Four hours weekly, throughout the year.

222. English Literature. Composition.

Milton's Minor Poems and Burke's Speech on Conciliation with America are studied. Regular work in composition, in narration, description, and exposition.

The following works are required this year for general reading and work in composition: Silas Marner, Vicar of Wakefield, Ivanhoe, Twelfth Night, Palamon and Arcite, Tale of Two Cities.

Text-book: Scott and Denney's Composition-Literature.

Three hours weekly, throughout the year.

223. History of English Literature. Composition.

The work in composition will be varied in form and subject-matter. Regular work will be done in the writing of essays and orations. The reading and study of the following masterpieces will be required: Carlyle's Essay on Burns, Macaulay's Essays on Milton and Addison, Sesame and Lilies, The Princess, Julius Cæsar, How the Other Half Lives, David Copperfield, and The Ancient Mariner.

Text-book: Scott and Denney's Composition-Literature.

Two hours weekly, throughout the year.

GERMAN.

231. Elementary Course.

a. Thomas's German Grammar, Part I.

Five hours weekly, first semester.

b. Grammar continued: Grimm's Mærchen; Storm's Immensee; Heyse's L'Arrabbiata.

Five hours weekly, second semester.

The object of this course is to give the student a thorough training in the essentials of German accidence and syntax, and to enable him to read easy German prose with expression. It should also give him a correct pronunciation and some skill in simple composition.

232. Second Year Course.

a. Baumbach's Frau Holde; Hillern's Hœher als die Kirche; Freytag's Die Journalisten; Wildenbruch's Der Letzte; Grammar and Composition.

Four hours weekly, first semester.

b. Tales from Hauff; Riehl's Fluch der Schœnheit; Arnold's Fritz auf Ferien; Schiller's Jungfrau von Orleans; Grammar and Composition.

Four hours weekly, second semester.

This course is intended to give the student a large and varied vocabulary, and to develop a feeling for the German idiom. One hour a week is given to grammar and composition.

MATHEMATICS.

241. Algebra.

Fundamental processes, factoring, fractions, equations, and problems involving one or more unknown quantities, inequalities, imaginary expressions, powers and roots, fractional and negative exponents, reduction and combination of radicals, and the solution of radical and quadratic equations.

Text-book: Wentworth's New School Algebra.

Five hours weekly, throughout the year.

243. Plane and Solid Geometry.

The ability to reason correctly is cultivated not only by a logical reproduction of the proofs and constructions of the text-book, but also by frequent exercises in the original demonstration of theorems and the solution of numerical problems.

Text-book: Wentworth's Plane and Solid Geometry.

Five hours weekly, throughout the year.

SCIENCE.

251. Physics.

This course is a combination of recitations and laboratory work, two hours each week being assigned to the former, and one hour to the latter. A laboratory fee of two dollars a semester is charged.

Three hours weekly, throughout the year.

253. Physical Geography.

Text-book: Gilbert and Bringham's Introduction to Physical Geography.

Three hours weekly, throughout the year.

CIVICS.

255. Civil Government.

A study of town, city, county, state, and national government. Special attention will be paid to the government of Iowa.

Text-book: Townsend's Civil Government.

Three hours weekly, first semester.

256. Economics.

Text-book: Walker's First Lessons in Political Economy.

Three hours weekly, second semester.

HISTORY.

261. Ancient History.

A brief review of the eastern nations, followed by a detailed study of the history of the Greeks and Romans.

Text-book: Myers's General History.

Four hours weekly, first semester.

262. Mediæval and Modern History.

The Byzantine Empire, Charlemagne, Feudal System, Crusades, Reformation, and the rise and growth of the Modern European Nations.

Text-book: Myers's General History.

Four hours weekly, second semester.

Courses of Study.

CLASSICAL COURSE.

FIRST YEAR.

FIRST SEMESTER.

	HOURS
Latin 201*a*—Grammar and Lessons	5
History 261—Ancient History (Myers)	4
English 221—American Masterpieces. Composition	4
Science 253—Physical Geography	3

SECOND SEMESTER.

Latin 201*b*—Easy Prose and Cæsar's Gallic War	5
History 262—Mediæval and Modern History (Myers)	4
English 221—American Masterpieces. Composition	4
Science 253—Physical Geography	3

SECOND YEAR.

FIRST SEMESTER.

Latin 202—Cæsar and Ovid	5
Greek 211—First Greek Book (White)	5
Mathematics 241—Algebra (Wentworth)	5
English 222—English Literature. Composition	3

SECOND SEMESTER.

Latin 203—Cicero's Orations	5
Greek 212—Anabasis and Grammar (Goodwin)	5
Mathematics 241—Algebra (Wentworth)	5
English 222—English Literature. Composition	3

THIRD YEAR.

FIRST SEMESTER.

Latin 204—Vergil	4
Mathematics 243—Plane Geometry (Wentworth)	5
Greek 213—Anabasis III-IV	4
Science 251—Physics (Henderson and Woodhull)	3
English 223—History of English Literature. Composition	2

SECOND SEMESTER.

Latin 204—Vergil 4
Mathematics 243—Plane Geometry (Wentworth)..... 5
Greek 214—Memorabilia I-II or Helenica 4
Science 251—Physics (Henderson and Woodhull) 3
English 223—History of English Literature. Composition..... 2

SCIENTIFIC COURSE.

The studies of the First year of this course are identical with those of the corresponding year of the Classical course. In the Second year German 231 takes the place of Greek 211-212, and in the Third year German 232 takes the place of Greek 213-214.

School of Music.

The work of this department is modeled after that of the New England Conservatory, and the distinguishing characteristics of that great institution are incorporated in its method of instruction.

Thorough instruction is offered in the following: Piano, Voice Culture and Singing, Violin, Ear Training, Harmony, and the Theory and History of Music.

Piano.

First Grade:—New England Conservatory Course (First Grade). Technical exercises for acquiring correct position of hands and for strengthening fingers.

Second Grade:—New England Conservatory Course (Second Grade). Koehler, Twelve Little Studies, Op. 157; Loeschhorn, Melodious Studies, Op. 52, Book I; Loeschhorn, Progressive Studies, Op. 66, Book I; Heller, Studies, Op. 47, Book I; Kœhler, Small School of Velocity, Op. 242; Sonatinas by Kuhlau, Kullak, and Clementi.

With this grade begins the study of the scales and chords in the major and minor keys.

Third Grade:—Bertini, Op. 29, Book I; Heller, Op. 45, Book II; Krause, Op. 2, Book I (Trill Studies); Berens, Op. 61, Books I and II (Velocity Studies); Czerny, School of Velocity, Op. 636; Bach, Six Short Preludes and Two-Part Inventions; Loeschhorn, Op. 66, Books II and III.

Practice of scales and chords, together with arpeggios and various finger exercises.

Fourth Grade:—Cramer, Fifty Selected Studies, edited by Von Bulow; Czerny, Op. 740, Books I and II; Bach, Three-Part Inventions; Heller, Op. 45 or 90; Low, Octave Studies.

Fifth Grade:—Clementi, Gradus ad Parnassum, edited by Tausig; Kessler, Op. 20, Book I; Bach, Three-Part Inventions; Moscheles, Op. 70, Books I and II; Kullak, Octave Studies; Alex. Hollander, Six pieces for left hand, Op. 31.

Sixth Grade:—Chopin Etudes; Selections from Bach's Well-Tempered Clavichord; Czerny, School of Virtuosity, Op. 365; Liszt, Etudes; Schumann, Op. 13.

Daily technical work is required in all the grades, and compositions selected from the works of the best modern writers and from the classics are given throughout the year.

Voice Culture and the Art of Singing.

This course is divided into six grades, beginning with the proper placing of the voice, the correct method of breathing, and the production of tone. Great attention is given to the development and strengthening of the natural voice and to distinct enunciation.

Violin.

This course is divided into six grades, commencing with the correct manner of holding the instrument and bow, and the production of a smooth, round, and full tone. Studies in the different kinds of bowing, finger exercises, etc. Compositions from the classic and modern composers.

Harmony.

The study of Harmony is essential to every student of music, and a graded course covering two years is provided. The first year is devoted to Ear Training, and the second to Chadwick's Harmony.

Literary Work.

All courses of the Academy and College are open to students in the School of Music, and work in the departments of French, German, and English is specially advised. Such work gives variety, breadth, and culture to those who choose music as a profession.

Recitals.

Public recitals are given every two weeks. Each student is required to take part, and thus acquire that self-control and composure so necessary to a satisfactory performance.

Teacher's Certificate.

The student who successfully completes the first four grades in either Piano or Voice, together with two years' work in Harmony and Ear Training, will be granted a Teacher's Certificate.

Diploma.

The student who successfully completes the six grades in either Piano or Voice, together with two years of Harmony, Musical History, and Theory of Music, will be granted a diploma—provided sufficient advancement has been made along literary lines to enable the student to enter the Freshman class of the College.

The Choral Club.

A Choral Club will be organized in the year 1904-5 for the study of standard oratorios. All those who have good voices and can read music will be eligible for membership in this society.

Expenses.

The charges for tuition per term of ten weeks, two lessons each week, are as follows:

Piano	$10.00—15.00
Voice Culture	15.00
Violin	15.00
Harmony (in class)	7.00—10.00
Piano rent (one hour daily, per term)	1.50
Ear Training	5.00
Theory (in class)	10.00

Instruction in the History of Music free to all music students. Tuition payable strictly in advance. No pupil taken for less than a term. No deductions for lessons missed except in case of protracted illness.

For further information, address the Director of the School of Music.

BALLARD HALL

Degrees and Prizes.

BACHELOR OF ARTS.

Alice Caroline Atchison,
Mary Vera Atchison,
Albert Harrison,
Ray Kirkpatrick,
Abram Frank Pearson,
Louise Ella Twinam,
Lois Ruth Work.

BACHELOR OF PHILOSOPHY.

Helen May Clarke,
Walter Vincent Hughes,
John Calhoun McGlade,
Grace Sue Morris.

BACHELOR OF SCIENCE.

Eugene Harvey Robinson,
William Oral Watters,

GRADUATES IN MUSIC.

Flora M. Gilly,
Martha Helen Labagh,
Bonnie May Manatrey,
Florence E. Parrish,
Ethel White,
Esther Williams.

MASTER OF ARTS.

Rev. Albert Hastings Jordan.

DOCTOR OF DIVINITY.

Rev. W. C. Dodd, Chiung Hai, Laos.
Rev. H. B. Knight, Tacoma, Wash.
Rev. W. S. Young, Ballston, Va.

PRIZES AWARDED, 1903-1904.

FOSTER PRIZE IN DEBATE.

Orio Literary Society.

JUNIOR PRIZES IN ORATORY.

First, Martha Frances Black,
Second, Claire Ethel Mitchell.

FRESHMAN PRIZES IN DECLAMATION.

First, William Leigh Sowers,
Second, Linna Belle Huston.

ACADEMY PRIZES IN DECLAMATION.

First, Harry David Amsley,
Second, George Oliver Wirtz.

ALDINE PRIZES IN DEBATE.

First, William Wllbur Wirtz,
Second, Howard Park Gage.

ALDINE PRIZES IN DECLAMATION.

First, Albert Henry Mutschler,
Second, Gil Ogden.

ORIO PRIZE IN ORATORY.

Ralph C. Huston.

ORIO PRIZE IN DEBATE.

Leo Thoma.

List of Students.

STUDENTS IN THE COLLEGE.

GRADUATES.

Charles Ricksher, B. S.	Histology	Baltimore, Md.
Elizabeth H. Whitney, A. B.	Mathematics	Fairfield
Thomas Bruce Young, B. S.	Bacteriology	Monett, Mo.

SENIORS.

Helen Alice Bean	Cl	Fairfield
Clara Belles	Sc	Fairfield
Martha Frances Black	Ph	Fairfield
Anna Donnelly	Cl	Bonaparte
Violette May Flower	Ph	Fairfield
George Woodward Gearhart	Ph	Batavia
Harold Stephen Greenleaf	Sc	Centerville
Clark Hays Lauder	Ph	Afton
Jesse Fye Manatrey	Ph	Fairfield
Claire Ethel Mitchell	Sc	Fairfield
Ansel Ernest Nutting	Cl	Milo
Jessie Mozelle Shelby	Sc	Fairfield
Katherine Julia Tappert	Ph	Davenport

JUNIORS.

Nellie Blanche Ball	Sc	Fairfield
Mary June Calhoun	Ph	Birmingham
Alice Grace Clements	Ph	New London
Cleopatra Jean Faith	Cl	Bedford
Leslie Dwight Harper	Ph	Fairfield
Clara Dell Hinkle	Ph	Butte, Mont.
Abigail Dunleigh Hunt	Ph	Fairfield
Ralph Chase Huston	Sc	Fairfield
May Elizabeth Keirns	Cl	Columbus Junction

David Clarkson Shelby.....Sc.....Fairfield
Roscoe Petzinger Thoma.....Cl.....Fairfield
Bonnie Vernon.....Ph.....Crawfordsville
Louella Belle Welch.....Sc.....Fairfield
Ethel Elizabeth White.....Sc.....Fairfield

SOPHOMORES.

Mary Powell Bean.....Cl.....Fairfield
Paul Stephen Gearhart.....Ph.....Batavia
Hale Carr Greenleaf.....Sc.....Centerville
Linna Belle Huston.....Ph.....Fairfield
Walter Craig Kirkpatrick.....Cl.....Keota
Martha Helen Labagh.....Ph.....Fairfield
Richard Cunningham Leggett...Ph.....Fairfield
Emily Clark Miller.....Ph.....Afton
George F. Morrison.....Ph.....Fairfield
Walter Thompson Murdock.....Sc.....Fairfield
Theodore Ricksher.....Sc.....Fairfield
William Leigh Sowers.....Ph.....Bedford
Leo Thoma.....Ph.....Fairfield
Jessie Marie Thomas.....Ph.....Burlington
William Wilbur Wirtz.....Cl.....Fairfield
Abbie Agnes Work.....Cl.....Brookings, S. D.

FRESHMEN.

Harold Brown.....Ph.....Fairfield
Mary Chidester.....Sc.....Fairfield
Hazel Jessie Conlee.....Sc.....Fairfield
Edith L. Fisher.....Cl.....Fairfield
Howard Park Gage.....Cl.....Fairfield
Carl Flindt Gobble.....Sc.....Fairfield
Cecelia M. Greenleaf.....Sc.....Centerville
Fred Richmond Hinkle.....Sc.....Butte, Mont.
Richard David Hughes.....Cl.....Columbus Junction
Ruth Leggett.....Cl.....Fairfield
Madelon Crawford Medes.....Ph.....Fairfield
Effie Elizabeth Mullin.....Cl.....Brighton
Albert Henry Mutschler.....Sc.....Afton
Laurance White Parsons.....Sc.....Keokuk
James Nelson Potter.....Cl.....Brighton

Frank Clay Raney	Sc.	Fairfield
Frank Ricksher	Sc.	Fairfield
Mabel Leila Sandiland	Ph.	Emerson
Edward Theodore Wall	Ph.	Osceola
Frank Samuel West	Sc.	Fairfield

SPECIALS.

Percy J. Easton		Fairfield
Jennie Ethel Foote		Fairfield
George Roy Groff		Fairfield
Beryl Harper		Burlington
Carl E. Harris		Fairfield
Chester Harlan Kearns		Fairfield
Robert Lyons Picken		Ottumwa
Robert Alexander Ross		Fairfield
Mary Louise Wilson		Fairfield

STUDENTS IN THE ACADEMY.

THIRD YEAR.

Blanche Arizona Coffman	Cl.	Malvern
Gladys Ferguson	Sc.	Clarinda
Hubert Elmer Howard	Sc.	Fairfield
William Harold Julian	Sc.	Fairfield
John Bowman Lamson	Sc.	Fairfield
Esther Belle Mac Gugin	Sc.	Washington
Gil Ogden	Cl.	Fairfield
Edna Elvira Sater	Sc.	New London
Madge Abigail Shelby	Sc.	Fairfield
Margaret Maud Simpson	Sc.	Diagonal
George Oliver Wirtz	Sc.	Fairfield
Elsie Eugenia Zichy	Cl.	Garden Grove

SECOND YEAR.

Chalmer Chacey	Sc.	Richland
Glenn Ferguson	Sc.	Clarinda
William Edgar Gearhart	Sc.	Batavia
Louis Warren Gilly	Sc.	Fairfield

Josephine Florence Glotfelty.....Sc..... .....Libertyville
Zeruah Lucille Howard.....Sc.....Fairfield
William A. Hunt.....Sc.....Selma
Ainslee Dean Kirkpatrick.....Sc.....Keota
Edna Katherine Laughlin.....Cl.....Batavia
Mary Florence Lesher.....Sc.....Salina
Catherine Elizabeth Lyon.....Sc.....Burlington
Vernie May Manning.....Cl.....Seymour
Zoe Ogden.....Sc.....Fairfield
Matthew Vernon Picken.....Sc.....Ottumwa
Ivan Lester Pollock.....Sc.....Libertyville
Georgie Edna Snider.....Sc.....Donnellson
Mabel Claire Stanford..... Sc..... .....Fairfield
Lawrence Bruce Stephenson.....Cl.....Libertyville
Ralph R. Welday..... .... Sc..... .....Libertyville
Hazel Zora Workman.....Sc.....Mt. Zion

FIRST YEAR.

Harry Robert Axelson.....Fairfield
Edgar Rogers Bean.....Fairfield
Cora Ercel Flinspach.....Brighton
Mary Harris..... .....Fairfield
Frank Albert Hoskins.....Woolson
Thomas Howard Inghram.....Fairfield
John Schuyler Lesher..... .....Salina
Benjamin Rex Loofbourrow..... .....Fairfield
Paul Frasier McLean..... ....Fairfield
Clara Belle Perry.....Bloomington, Ill.
Nina Dell Roth..... .....Fairfield
Luella Jean Wyllie..... .....Libertyville

SPECIALS.

Frank Leslie Adams.....Meadville, Pa.
Jessie Palmer Bosworth..... .....Fairfield
Glenn Henry Fairall.....Fairfield
Gail Shaffer Junkin..... .....Fairfield
Joseph Edward Plotts..... .....Russell
William H. Slack..... .....Fairfield
Thomas Edwin Wright.....Ottumwa

STUDENTS IN SCHOOL OF MUSIC.

PIANO.

Ellen Alexander,
Gertrude Allender,
Wilma Allender,
Edna Bates,
Nellie Bonfield,
Jessie Bosworth,
Ethel Bradshaw,
Cecil Campbell,
June Chidester,
Stella Clark,
Ella Clinkinbeard,
Hazel Conlee,
Helen Corbitt,
Lucile Corkey,
Helen Crail,
James Crail,
Virginia Droz,
Charlotte Du Bois,
Chloe Dysart,
Cleopatra Faith,
Lolly Filley,
Jennie Foote,
Anna Fry,
Ralph Gilmer,
Florence Glotfelty,
Fred Goehner,
Mrs. John Goehner,
Ralph Goehner,
James Hammon,
Marie Hammon,
Ila Harvey,
Myrtle Heald,
Mabel Hendricks,
Vera Hewett,
Clara Hinkle,
Frank Hoskins,
Berdina Hughes,
Fanny Hutchinson,
Rollin Israel,
Ruth Johnson,
Waldo Johnson,
Gail Junkin,
Olive Kearns,
Ethel Kerrick,
Harry King,
Ruth Lamson,
Katie Larson,
Josephine Lawshee,
Ruth Leggett,
Mary Lesher,
Florence Loehr,
Effie Louden,
Lenore Luce,
Eva McDaniel,
Donald McGregor,
Helen McGrew,
Margaret McKemey,
Josephine Monfort,
Elsie Nelson,
Elsie Overholser,
Emeline Peterson,
Mrs. Charles Raines,
Fern Riniker,
Edna Roth,
Julia Roth,
Clifford Samuels,
Inez Samuels,
Nellie Sater,
Ada Scheffel,
Ila Scheffel,
Ora Scheffel,
Edith Sense,

Lela Sense,
Margaret Simpson,
Hester Snook,
Mabel Stanford,
Lulu Taylor,
Stella Taylor,
Martha Thompson,
Katherine Turney,
Lulu Vernon,
Alice White,
Charlotte White,
Grace Wildman,
Helen Wilson,
Lucile Wisecarver,
Jean Wyllie,
Fern Young,
Nellie Young.

VOICE CULTURE.

Nellie Ball,
Fannie Cary,
Gertrude Conner,
M. H. Cuddy,
Mildred Dana,
Pearl Green,
Philip Hammond,
Myrtle Heald,
Minta Hoagland,
Hovey Hootman,
Berdina Hughes,
Mrs. Hyde,
Waldo Johnson,
Harry Jones,
Katie Larson,
Charles McClain,
May McClain,
Jessie Manatrey,
Mrs. James Montgomery,
Clara Pogue,
Lorena Scott,
Ruth Simpson,
Goldie Tait,
Mrs. Dillon Turney,
Coy Ward,
Helen White,
Irene Williams,
Mary Louise Wilson,
Jean Wyllie.

HARMONY.

Jennie Foote,
Ila Harvey,
Myrtle Heald,
Clara Hinkle,
Frank Hoskins,
Katie Larson,
Waldo Johnson,
Nellie Sater,
Mabel Stanford,
Nellie Young.

VIOLIN.

James Case,
Lenore Luce,
Harry Mohler,
Ethel Roth,
Harold Voorhies.

SUMMARY.

THE COLLEGE—	
Graduates	3
Seniors	13
Juniors	14
Sophomores	16
Freshmen	20
Specials	9
Total	75
THE ACADEMY	51
THE SCHOOL OF MUSIC (net)	118
Total	244
Literary Students taking Music	16
Net Total	228

Alumni Association.

OFFICERS FOR 1904-1905.

Rev. Albert H. Jordan, President.
Minnie B. Jenks, Secretary.

Executive Committee.

Harry P. Thorne, Mary B. Snook,
R. Day Hunt, Mrs. Orrin J. Kellogg.

Note.—*The Bulletin for November, 1902, contains a complete Register of the Faculty and Alumni of the College. So that this Register may be kept thoroughly up to date, changes of address, etc., should be sent at once to G. D. Gable, Secretary of the Faculty.*

Accredited High Schools.

Below is printed the list of high schools whose work is accredited by the Committee on Secondary School Relations, together with the maximum number of semester credits allowed each on the last analysis of its course of study.

Graduates of these high schools may be classed as unconditioned Freshmen upon presentation of the proper certificate showing the completion of not less than thirty semester credits in studies acceptable to the College for admission into one or more of its courses. Graduates who present not less than twenty-eight acceptable credits may be classed as conditioned Freshmen at the opening of the college year, the conditions to be made up as soon as possibie after entrance. No one can be admitted into the Freshman class in any course with less than twenty-eight semester credits.

Ackley..... 32
Adair..... 30
Adel..... Latin 31
Philosophical 30
Albia..... Latin 31
English 29
Algona.....
Allerton..... 18
Alton..... Latin 27
General 24
Ames..... Latin 32
English 29
Anamosa..... Latin 32
English 30
Anita..... 26
Atlantic..... Latin 32
German 32
Audubon..... Elective 37
Avoca..... 31
Bedford..... Latin 31
English 28
Belmond..... Latin 32
English 28
Boone..... Latin 32
Scientific 33
English 25
Brighton..... 31
Britt..... Latin 30
English 30
Brooklyn..... Latin 30
English 23
Burlington..... Elective 42
Capital Park..... Latin 31
Scientific 30
English 28
Carroll..... Latin 31
General 31
Cedar Falls..... Latin 34
English 33
Cedar Rapids..... Classical 35
Latin-Scientific 34
Centerville..... Classical 31
Scientific 33
Chariton..... Latin 34
English 31

Charter Oak..... 26
Charles City.....Classical 30
Scientific 30
English 29
Cherokee.....Latin 33
German 30
Scientific 28
Clarinda.....Elective 40
Clarion..... ..Latin 29
Scientfic 29
Clearfield 30
Clear Lake.....Latin 18
English 16
Clinton.....Elective 48
Colfax.....Latin 28
English 27
Columbus Junction..... ....Latin 31
English 27
Coon Rapids..... 30
Corning.....Latin 33
Scientific 31
Correctionville..... 27
Corydon..... .....Latin 34
English 25
Council Bluffs .....Classical 36
Latin-Scientific 33
German 33
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Creston.....Elective 45
Davenport.....Classical 50
Scientific 46
Decorah..... .....Latin 38
German 32
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Dennison..... .....Latin 33
Scientific 36
Des Moines, E.....Elective 40
Des Moines, W.....Elective 52
Des Moines, N.....Elective 50
De Witt..... 27
Dexter..... 32
Dubuque.. .....Classical 32
Latin-Scientific 32
Scientific 32
Dysart..... 19
Eagle Grove.....Classical 30
Latin-Scientific 29
Eldon.....Latin 32
English 30
Eldora.....Latin 29
English 25
Elkader.....Latin 30
German 30
English 27
Emmetsburg.....Latin 31
Scientific 25
Estherville.....Latin 34
Latin-Scientific 28
Fairfield..... 38
Farmington..... 32
Fayette..... 24
Fonda..... 28
Fontanelle.....Latin 29
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Forest City. 28
Fort Dodge.....Latin-Scientific 34
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English 29
Fort Madison.....Latin-English 29
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Scientific-English 26
Garner.....Latin 30
English 26
Geneseo, Ill...Preparatory Elective 37
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Glenwood..... .....Latin 33
English 29
Glidden... ....Latin 33
Grand Junction..... 23
Greene ....English 24
Latin 28
Greenfield.....Latin 27
English 22
Grinnell..... .....Latin 34
English 29
Grundy Center 35
Guthrie Center.....Latin 32
English 25
Guthrie County.....Latin 25
Scientific 20

Hamburg.....Classical 29
English 29
Hampton.....Latin 32
English 27
Harlan ....Elective 32
Hartley..... Latin 27
English 23
Hawarden.....Academic 36
Normal 32
Commercial 32
Holstein..... 29
Hubbard..... 30
Humboldt ....Latin 25
English 25
Ida Grove..... .....Latin 30
German 28
Independence.. ..... Latin 30
English 25
Indianola.....Latin 32
Scientific 32
Iowa City..... Latin 33
English 34
Iowa Falls ..... Latin 32
English 28
Jefferson..... .....Latin 31
Modern Classical 32
Modern Language 31
Keokuk.....Elective 43
Keosauqua.....Latin 27
English 22
Kingsley..... 32
Knoxville.....Latin 34
English 31
Lake City..... Col. Preparatory 31
German-Scientific 32
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Lake Mills..... 30
Lamoni ..... Latin 30
English 29
LeMars..... Elective 43
Leon .....
Lime Springs..... 21
Lyons.....Elective 44
Manchester.....Latin 32
English 30
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Mapleton.....Elective 27
Maquoketa.....Elective 38
Marengo..... .....Latin 32
Scientific 32
Marion.....Elective 39
Marshalltown... ..... Elective 44
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English 25
McGregor .....Latin-German 31
German 27
Latin 27
English 22
Mechanicsville .. ..Latin 23
English 20
Milton..... 21
Missouri Valley.....Elective 31
Moline, Ill.....
Montezuma.... 35
Monticello..... .....
Morning Sun.....Latin 31
Scientific 30
Moulton ....Latin 35
English 32
Mt. Ayr.....Latin 31
English 29
Mt. Pleasant.....Elective 36
Muscatine ....Latin-English 36
German-English 36
Nashua..... Elective 41
Neola..... Latin 30
German 30
Nevada..... 30
New Hampton.....Latin 36
English 41
New Sharon..... 28
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North English..... 23
Northwood.....Latin 28
English 24
Oak Park, Des Moines.....Latin 33
English 32
Odebolt.....Latin 29
General 26

Oelwein.....Latin 31
English 31
Onawa.....Elective 31
Orange City.....Latin 30
English 27
Osage.....Latin 32
English 27
Osceola.....Latin 32
English 27
Oskaloosa.....Latin 33
Scientific 29
Ottumwa.....Elective 42
Parkersburg..... 31
Pella.....Latin 31
English 23
Perry.....Latin 31
Scientific 26
Postville.....Latin 30
German 30
Elective 36
Red Oak..... 40
Reinbeck.....Latin 30
English 26
Riceville..... 27
Richland..... 19
Rockford.....Elective 39
Rock Rapids.....Elective 29
Rockwell City..... 32
Rolfe..... 32
Sac City.....Latin 30
Scientific 32
Sanborn..... 31
Shelby.....Latin 27
German 27
Sheldon.....Elective 45
Shell Rock.....Latin 28
English 28
Shenandoah.....Elective 35
Sibley .....Latin 31
German 29
Sidney.....Latin 32
German-Scientific 31
Sigourney.....Latin 29
Latin-English 27
English 26
Sioux City.....Classical 32
Latin-Scientific 31
Latin-German 32
English-German 29
Sioux Falls, S. D.....Classical 41
Scientific 37
Civic 30
Sioux Rapids.....Latin 26
English 24
Sloan..... 31
Spencer.....Latin 39
Scientific 38
Springdale.....Latin 24
English 22
Springville..... 24
State Center..... 21
Storm Lake.....Latin 31
English 32
Spirit Lake.....Latin 31
Scientific 30
Stuart..... 32
Tabor.....
Tama City.....Latin 29
English 26
Taylorville, Ill.....Latin 34
English 28
Tipton.....Latin 32
General 32
Toledo.....
Traer.....Latin 29

English 23
Villisca.....Elective 42
Vinton.....Latin 32
English 31
Wapello..... 36
Washington.....Latin 30
Literature and Business 24
Waterloo, E.....Latin-Elective 37
English-Elective 30
Waterloo, W.....Latin 32
English 30
Waukon.....Latin 31
English 29

Waverly.....Latin 32
Scientific 33
Webster City.....Classical 34
Latin-Scientific 35
English 32
West Liberty.....Latin 31
Scientific 29
West Union..... 35
Williamsburg..... 30
Wilton ..... Latin 27
Latin-English 24
Winfield 27
Winterset..... 31

Cedar Valley Seminary....Classical 33
Scientific 23
Charles City College.....Elective 37
Denison Normal School
Col. Preparatory 28
Scientific 26
Ciassical 28
Dexter Normal College..... 32
Epworth Seminary..... 37
Howe's Academy, Mt. Pleasant.... 34
Iowa City Academy.....Latin 32
Scientific 35
Jewell Lutheran College, Jewell,
Classical 41
English-Scientific 31
Lincoln Academy, Lincoln, Neb.,
Classical 34
Philosophical 38
Scientific 33
Michigan Military Academy, Orange Lake, Mich.....Regular 50
Mt. St. Joseph Academy. Dubuque.
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Philosophical 26
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